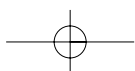
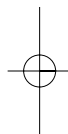
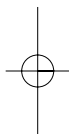




Let's make things better.



PHILIPS



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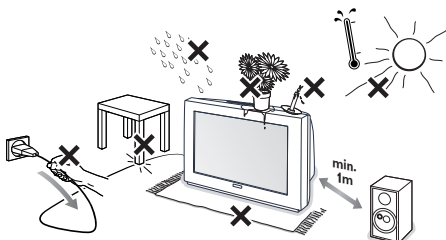
If this instruction manual does not give an answer or if 'Before calling service' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet. Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

Model: 34PT9420/93

Product No:


Preparation

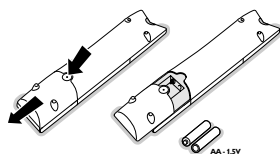
- 1 Place the TV on a solid surface.
For ventilation, leave at least 5 cm free all around the TV.



Do not place the TV on a carpet.


To prevent any unsafe situations, do not place any objects on top of the TV. Avoid heat, direct sunlight and exposure to rain or water. Keep mobile telephones at a safe distance to avoid disturbances in picture and sound.

- 2 Insert the aerial plug firmly into the aerial socket  at the back of the TV. For best picture quality use the suppressor-aerial cable supplied.
- 3 **Remote control:** Remove the cover of the battery compartment. Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many countries exhausted batteries may not be disposed of with your household waste. Please check on how to dispose of exhausted batteries according to local regulations.

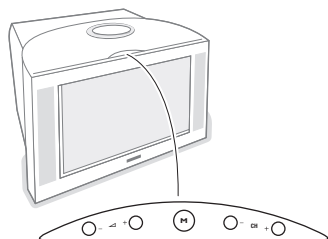
Note: this remote control functions with TVs and other equipment which use the RC6 signalling standard.

- 4 Insert the mains plug of the TV in the wall socket having a mains voltage of 220V-240V. To prevent damaging the mains (AC) cord which could cause a fire or electric shock, do not place the TV on the cord.
- 5 **Switch the TV on :** Press the power switch  on the front of your TV.
A green indicator on the front of the TV lights up when the screen is on.
If the indicator is red, press the **- CH +** keys on the remote control.



The green lamp blinks every time you press a key on the remote control.

*When you switch on your set for the first time, the menu **Language** automatically appears on the screen. The explanation appears in different languages one at a time. Choose your own language and press the **OK** key on the remote control.*

Keypad on top of the TV



Should your remote be lost or broken you can still change some of the basic settings with the keys on top of your TV.

- Press the  - or + key to adjust the volume.
- Press the **CH** - and + key to browse through the TV channels or sources stored and to select them.
- Press the **M** key to summon the main menu.
Use the  - and + keys to select the menu items in the horizontal axis.
Use the **CH** - and + keys to select submenu items in the vertical axis.

Note:

- Sometimes not all the menu items are visible on the screen. Press the **CH +** key to reveal all items.
- Exit lets you dismiss the menu. Select **Exit** and press the **M** key.

Installation

Use of the remote control

Use the on-screen info for more information about the different keys. See p. 7.

Select peripherals

Press this key repeatedly to select **AV1, AV2, AV3, AV4** or **SIDE**, according to where you connected the peripherals (p. 20).

VCR DVD AMP AUX

Press one of these keys to use the remote control directly in the video recorder, DVD, amplifier or other auxiliary mode (**CD, SAT**). A green indicator lights up.

To return to TV mode, press the key again or wait for the indicator to dim (20 sec.)

Dual screen see p. 16.

Freeze

To activate/de-activate the frozen picture, p. 12 and to hold a teletext page. See p. 18.

Multipip see p. 17.

Press + or - to adjust the volume.

Interrupt the sound or restore it.

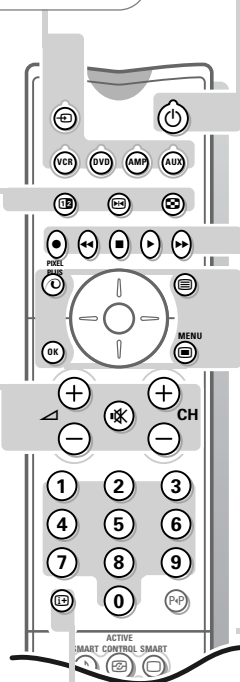
CH Channel selection

To browse through the TV channels and sources stored. Only those channels which are in the favourite list can be selected with the - **CH** + keys.

0/9 Digit keys

To select a TV channel. For a two digit channel number, enter the second digit within 2 seconds.

To switch immediately to a selected one digit TV channel, keep the digit key pressed a bit longer.



Standby

The set is switched off and the red indicator lights up. To switch the TV on again, press again.



Video recorder see p. 20

Switching Pixel Plus demo on/off

- 1 Press the Pixel Plus key. The TV screen is divided into 2 parts:
 - in the left part Pixel Plus and Digital Natural Motion switched off;
 - in the right part Pixel Plus and Digital Natural Motion switched on.
- 2 Press the Pixel plus key again to switch the Pixel Plus demo off.

Teletext on/off p. 17

Main menu on/off p. 13

OK Press this key to activate your choice, when in the menus.

Screen information

Press to display information about the selected TV channel and programme.

Menu / Remote Control Info

When the menu is on screen, press **i+** to display info on the selected menu item. While the menu info is displayed, press any key to display remote control info. See p. 7.

P+P Smart surf

With this feature you can easily switch between up to 9 different TV channels/sources. In the menu system, you can set Smart surf to 2- or 9-channel.

Press this key to select the previously viewed TV channel or source in case of a 2 channel surf, or to select the surf ring in case of a 9 channel surf.

In case of a 9 channel surf, a list appears at the right side of the screen. On top, the most recent channel is displayed. The puck is on the channel number currently viewed.

Press the P+P key to turn to the next channel in the list or press cursor up/down to immediately select the desired TV channel of the list.

To add a new channel or source: tune to the channel or source you wish to add.


Press the P+P key. Press the cursor right to add.


If there are already nine channels/sources in the list, the one at the bottom of the list will be removed.


To remove a channel or source: select the channel number you want to remove.



Press the P+P key. Press the cursor right to remove.

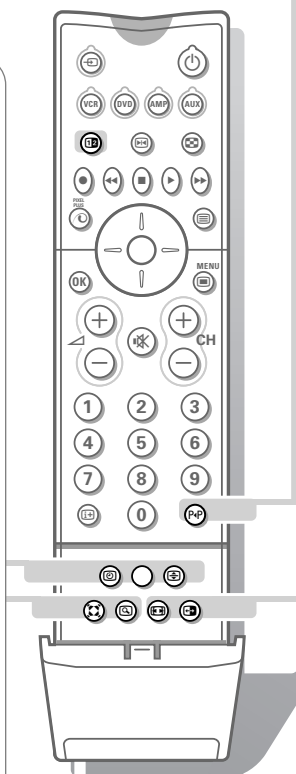
Press the **OK** key or wait for the time out to dismiss the Smart surf display.

 **Time display:** The time is displayed on the screen.

 Teletext function p. 18.

 **Surround mode**
Press this key repeatedly to select another available surround mode: Stereo, Dolby 3 Stereo, 3D Surround, Hall or Dolby Pro Logic.

 **Zoom on/off**
Press the **Zoom**  key to activate/ deactivate the zoom function. Press the **OK** key repeatedly to select one of the zoom magnifications (x1, x4, x9, x16). Use the cursor up/down, left/right to shift the selected zoom window over the screen with the cursor.
The zoom window is reset after: selecting another TV channel, another picture format or when another picture format is selected automatically.



Picture format

Press this key repeatedly to select another picture format: Auto format, 4:3 or Vertical squeeze.

Auto format makes the picture fill the screen as much as possible.

Vertical squeeze squeezes the picture to a wide screen picture format.



Auto format



Vertical squeeze

 **Swapping screens**
See p. 16.

4 Use of the remote control

Smart Keys

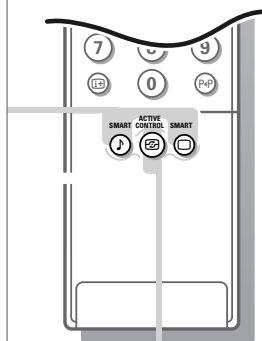
To select predefined picture and sound settings.

Smart Sound

Each time it is pressed, a different sound setting is selected, corresponding with specific factory settings of treble and bass.

Smart Picture


Each time it is pressed, a different picture setting is selected, corresponding with specific factory settings of Contrast, Colour, Sharpness, Dynamic Contrast and Colour enhancement.



Personal refers to the personal preference settings of picture and sound selected in the picture and sound menu.

Remark: the moment you are in a predefined smart sound or picture setting and you modify a setting in the picture or sound menu, all values of the menu will overwrite the previously made Personal settings. The predefined factory settings remain unchanged.

Active control

Active control is a pro-active and automatic system. The TV continuously measures and corrects all incoming signals in order to provide the best picture possible. Thanks to the Ambient Light Sensor which measures the light conditions of the room, the contrast, dynamic contrast, brightness and colour picture settings are adjusted automatically. The light sensor is active when the Active control function is switched to Medium or Maximum. Press the  key repeatedly to select the Active Control values Off, Minimum, Medium (recommended) or Maximum.

Off Sharpness and Dynamic Contrast are controlled automatically

Minimum Sharpness, Dynamic Contrast and Noise Reduction are controlled automatically.

Medium Sharpness, Dynamic Contrast, Noise reduction and Colour are controlled automatically.

Maximum Sharpness, Dynamic Contrast, Noise reduction, Colour and Contrast are controlled automatically.

Press the cursor right to select **INFO+**.

The Active Control demo menu appears.

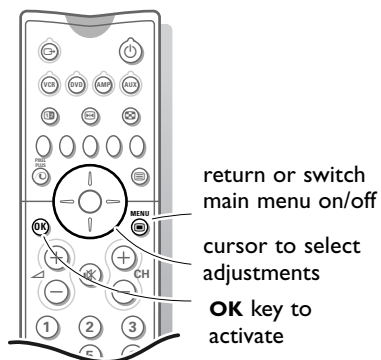
The picture settings are being adapted continuously and automatically.

The menu items cannot be selected.

The sliders will be moving, showing how the TV is tweaking the current picture. None of the sliders is user controllable.

Press the **OK** key to switch off the Demo.

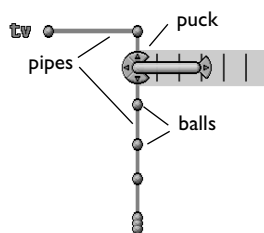
Use of the menus and the menu system



- 1 Press the **MENU** key on the remote control to summon the main menu.
Note: Should your remote control be lost or broken you can still use the keys on top of the TV. See p. 2.
- 2 Use the cursor in the up/down direction to select the TV, Settings, Install or Demo menu.
Note: Sometimes not all the menu items are visible on the screen. Press the cursor down to reveal all items.
- 3 Use the cursor left/right to select the menu item.
- 4 Use the cursor up/down again to select the control you want to select or to adjust. For instance, see Picture menu.
- 5 Press the **MENU** key to turn off the main menu.

The menu system

Pipes, balls and a puck



The hierarchy of menus and controls is represented by an animated visual mechanism of pipes, balls and a puck. Unlike a map, however, the animated mechanism constantly shows the current whereabouts, continually expands the view of the immediate neighbourhood.

The puck surrounds the ball indicating the user's current position in the menu hierarchy. The puck is always present when the menu system is displayed. The puck is divided into 4 parts. They correspond to the directional controls (up/down, left/right) on the remote control. The arrows on the cursor indicate which directions to choose. In this way users can navigate through the menu hierarchy to the control they wish to adjust.

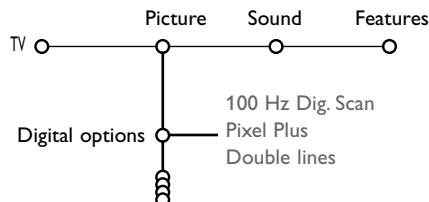
When menu items are more numerous than can fit comfortably on the TV display, only a portion are shown.

Those omitted are indicated by a cluster of balls which indicates that there are 'more' below.

Direct selection and control

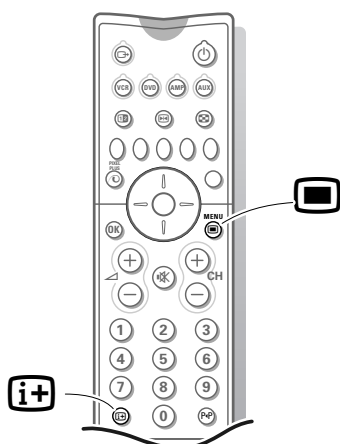
Menu items are controlled as soon as they are selected by the puck. Only a few items require information with the **OK** key.

List controls




A list control is used to select one or more items from a list of options. Press the right key to move the puck into the list. At least one item is the current value and is highlighted.




Moving the puck up or down with the up/down key causes the list to move up or down.



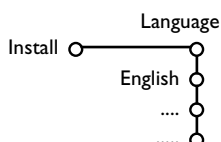
Menu Info


- 1 Press the **MENU**  key and select a menu item or submenu item.
- 2 Press the **i+** key on the remote control to get information about the selected menu item.
- 3 Press the **i+** key again to exit.

Remote Control Info

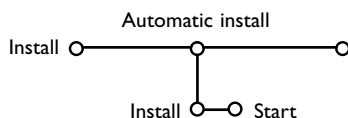
- 1 Press the **MENU**  key.
- 2 Press the **i+** key.
- 3 Press any key on the remote control (except the cursor keys, the **OK**, the **MENU** , the digit, the **i+** and the  keys) and you get information about the pressed key.
The normal function of the key is not executed.
The moment one of the remote control keys which do not invoke remote control info, is pressed, remote info is cancelled.
- 4 Press the **i+** key to display the menu that was on screen before a remote control key for info was pressed.

Select the menu language



- 1 Press the **MENU**  key on the remote control.
*When you switch on your TV for the first time and no channels are stored so far, the menu Language automatically appears on the screen. This menu also has an additional item **Exit** with which the menu can be dismissed. The explanation appears in different languages one at a time. Choose your preferred language and press the **OK** key on the remote control. Proceed with the Install menu.*
- 2 Use the cursor down to select **Install**.
- 3 Use the cursor right to select **Language**.
Follow the instructions on screen.
- 4 Use the cursor up/down to select your preferred language and press the **OK** key to confirm your selection.
- 5 Proceed with the **Install** menu.

Store TV channels



You can now search for and store the TV channels in two different ways: using Automatic Installation or Manual Installation (tuning-in channel by channel). Select your choice with the cursor right.

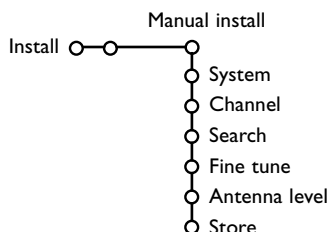
Automatic installation

- 1 Select **Automatic installation** in the Install menu.
Note: All channels must be unlocked in order to autoprogram. If requested, enter your PIN to unlock all channels. (See TV, Features menu, Child lock, p. 15.)
- 2 Press the cursor down.
The autoprogramming option label **Start** appears.
- 3 Press the cursor right.
- 4 The message **Searching** appears and the progress of autoprogramming is displayed.

When the Automatic installation is complete, the puck navigates to Install again.
The channel list is automatically filled with all the channel numbers of the TV channels transmitted.

Note: Channel numbers and names will always be written in Latin characters, even when a language has been selected which uses other characters.

Manual installation



Searching for and storing TV channels is done channel by channel. You **must go through every step** of the Manual Installation menu.

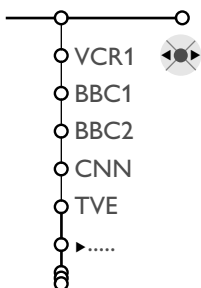
Press the **i+** key on the remote control to get information about the selected menu item.

- 1 Select **Manual installation** in the Install menu.
- 2 Press the cursor down.
Follow the instructions on screen.

Note: Search or direct selection of a TV channel. If you know the frequency, enter the 3 digits of the frequency directly with the digit keys 0 to 9 (e.g. 048). Press the cursor down to proceed.

Repeat to search for another TV channel.

Give name



Space	Delete
A B C D E F G	1 2 3
H I J K L M N	4 5 6
O P Q R S T U	7 8 9
V W X Y Z	0
Shift	(Special)

It is possible to change the name stored in the memory or to assign a name to a TV channel for which a name has not yet been entered. A name with up to 5 letters or numbers can be given to the channel numbers 0 to 99. For example SUPER, BBC1,... Before channel number 0 you can also enter a name for the peripherals that are connected to an external input.

- 1 Select **Give Name** in the Install menu and press the cursor down.
- 2 Select the channel number.
Note: keep the cursor up/down pressed to scroll through the channel list and to avoid that the TV tunes to each channel passed by.
- 3 Press the cursor right.
A keyboard appears on the screen. Only European characters are displayed.
Note:
 - Dependent on the language selected in the language menu, the key **Special** is available or not.
 - When having selected Arabic, you can toggle the Special key to display Arabic or English characters. The **Shift** key is changed to **More**. Press the More key to toggle between part 1, 2 or 3 of the Arabic character sets.

Press the cursor right to enter the keyboard. Press the cursor up/down, left/right to select the first character and press **OK**. Repeat for every character you want to enter.

Select **Space** to enter a space; **Delete** to erase the highlighted character in the name entered; **Shift** to display upper- or undercast characters on the keyboard; **Special** to display special characters on the keyboard. Press **OK** to confirm.

- 4 Press the cursor left repeatedly when you have finished the name giving of the selected channel or peripheral.
- 5 Select another channel number and repeat steps 3 to 4.

Reshuffle the channel list

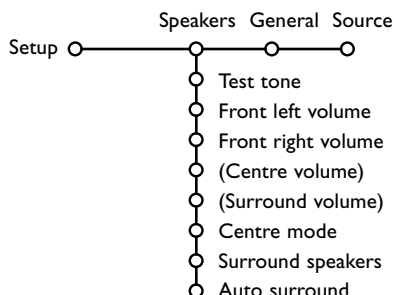
According to your preference you **can** change the order of the stored TV channels.

- 1 Select **Reshuffle** in the **Install** menu and press the **OK** key.
- 2 Follow the instructions on screen.

Select Favourite TV channels

- 1 Select **Favourite channels** in the **Install** menu.
- 2 Select your channel number with the cursor up/down.
- 3 Select **Yes** or **No** with the cursor right.
- 4 Repeat 2 and 3 for every TV channel or external you want to make a favourite or a non-favourite TV channel or external.

Install TV Setup



The Setup menu contains items that control the settings of the TV's functions, features, services and peripherals you may have connected.

The **Speakers** menu reflects the speaker-related controls.

The **General** menu allows you to change settings that will typically be accessed only occasionally.

The **Source** menu allows you to select a source and/or to name each input source.

Speakers

Availability of Speaker menu items

Test tone	•	•	•	•	•
Front left volume	•	•	•	•	•
Front right volume	•	•	•	•	•
Centre volume		•	•	•	•
Surround volume				•	•
Centre mode	•	•	•	•	•
Surround speakers				•	•
	Stereo	3 Stereo	3D Surround	Hall	Pro Logic

In order to receive the full reproduction capability of true Dolby Surround Sound you should include the proper use and arrangement of the speakers:

- via the TV and its internal Front right, Centre and Left speakers and two amplified rear surround speakers connected to the back of the TV;
- or via the Variable Line Out connectors and an external Dolby amplifier. See External speakers/Amplifier, p. 23.

Select the various Speakers menu controls to setup the configuration of the TV's speakers system for Dolby audio playback.

Each volume control can be adjusted to match test tone levels. Depending on the output and Surround mode (see Main menu, TV, Surround, Sound mode, p. 14) selected, some menu items may be greyed out and are not selectable.

Test tone and Volume controls

The menu item **Test tone** enables you to have a reference of the speakers loudness and to adjust the level of each until they are balanced in loudness. The speakers activated light up in the screen graphic.

- 1 Select **Test tone** with the cursor down.
- 2 Press the cursor right to select **On** or **Off**.

- 3 When turned **On**, the Test Tone control generates a sound test signal that circulates through the individual active speakers in a clockwise direction, and is meant to be used with the adjustable volume controls. Once turned on, the Test Tone will continue to circulate through the Left, Centre, Right and both Rear surround speakers (if present).
- 4 Press the cursor up/down to select the desired speaker for individual volume level adjustment.
- 5 Press the cursor left/right to adjust the volume level.
- 6 Continue and select the other speakers for adjustment as desired.
- 7 Press the cursor up to return to the Test Tone menu item when speaker adjustments are complete and turn the control Off.

Centre Mode

See Connect Peripheral Equipment, External Speakers, Amplifier, p. 23.

If no external amplifier with front speakers is connected, do not change the predefined factory settings which is **Centre mode No**. If an external amplifier with front speakers is connected, select **Centre mode Yes**.

In this setting, the centre channel in surround mode is directed to all three internal TV speakers (left, centre and right).

Surround Speakers

See Connect Peripheral Equipment, External Speakers, p. 23. If no Surround Speakers are connected do not change the predefined factory settings which is **Off**. If Surround Speakers are connected select **On**.

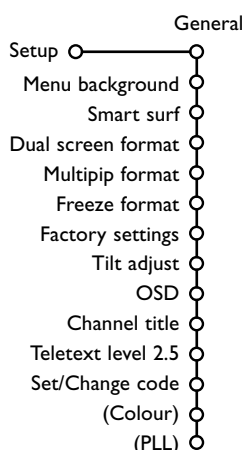
Dolby Pro Logic and Hall are not available if Off is selected.

Auto Surround

Sometimes the broadcaster transmits special signals for Surround Sound encoded channels. The TV automatically switches to the best surround sound mode when **Auto Surround** is switched **On**.

However it is possible to overwrite this setting.

General



This menu allows you to change various settings that are presumably adjusted less frequently than most other settings.

Press the **[i+] key on the remote control to get information about the selected menu item.**

Dual screen format

The Dual screen and PIP functions allow you to view two TV channels or sources at one time, hearing audio from the main screen through the speakers and audio from the other screen through the headphones. This menu allows you to select the preferred format which can then be displayed toggling the **[12]** key on and off. See Dual screen/PIP, p. 16.


- 1 Select **Dual screen format** with the cursor down.
- 2 Press the cursor right.
- 3 Select Dual screen, Large PIP, Medium PIP or Small PIP with the cursor up/down.


When Dual screen is selected, and Dual screen mode is activated with the remote control **[12]** key, the TV splits the screen into two equally sized screens.

When a PIP mode is selected, and Dual screen mode is activated with the remote control **[12]** key, the TV shows a full screen of video with a small, medium or large window of video on top of it.

*Note: Continuing to hold the **[12]** key down will also cycle the TV through the various formats (Dual screen, Large PIP, Medium PIP, Small PIP) launching a new format after each second the key is hold. Changing the format this way does not store the selected format.*


Multipip format

In this menu you can select which format you prefer to see in Multipip: PIP 3 or PIP 6, referring to the number of PIP screens being displayed pressing the  key on the remote control.


Note: Continuing to hold the  key down will also cycle the TV through the various formats. Changing the format this way does not store the selected format.

- 1 Select **Multipip format** with the cursor down.
- 2 Press the cursor right and select PIP 3 or PIP 6 with the cursor up/down. See Multipip, p. 17 how to operate.

Freeze format

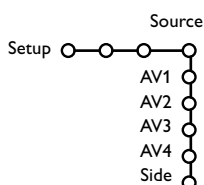
Freeze format allows you to select among three options: **Freeze**, **Replay**, **Photo finish**, to be activated when you press the  key on the remote control. See p. 3.

In this menu you can select which option you prefer.

Note: Continuing to hold the  key down will also cycle the TV through the various formats. Changing the format this way does not store the selected format.


- 1 Select **Freeze format** with the cursor down.
- 2 Press the cursor right and select Freeze, Replay, Photo finish with the cursor up/down.

Source

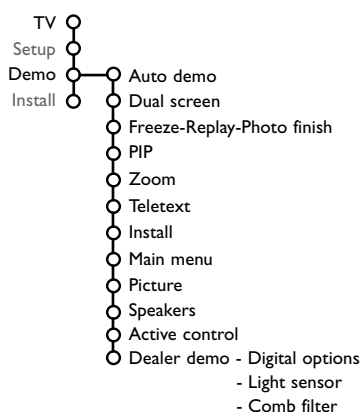


This menu allows you to select the peripheral you connected to one of the external inputs.

- 1 Select **Source** with the cursor right.
- 2 Press the cursor down to select one of the external inputs.
- 3 Press the cursor right to enter the list of names of peripherals attached to the selected input.
- 4 Select the peripheral device with the cursor up/down.

Once you have selected the source, e.g. VCR, this AV-input will automatically be selected when your remote control is in VCR mode and when you press the  key on the remote control. See p. 24.

Demo menu



The Demo menu allows to demonstrate the TV features separately or in a continuous loop.

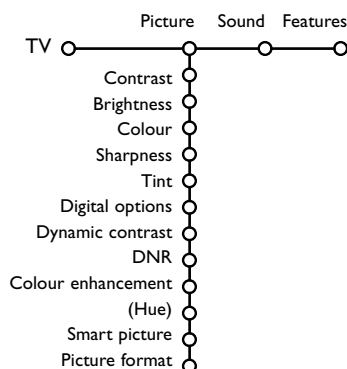
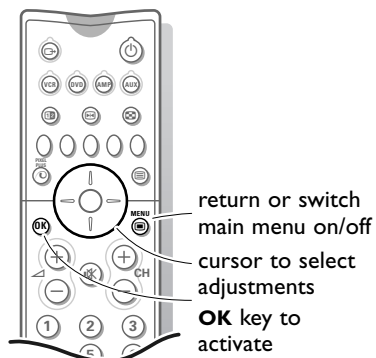
- 1 Select **Demo** in the Main menu with the cursor down.
- 2 Select **Auto demo** or one of the features with the cursor right and press the **OK** key on the remote control. If **Auto demo** has been selected the demo will automatically present all the features sequentially in a loop. Press one of the cursor keys to stop the Auto demo. If one of the features has been selected, this particular feature demo will run one time only, until activated again, and the Demo menu will reappear.


Select Dealer Demo

Select **Digital options**, **Light sensor** and **Comb filter** On or Off to really see the difference in picture quality. In Dealer Demo mode it is possible to change channels with **- CH +** and to adjust the volume.

Note: the Dealer Demo is not part of the automatic sequence and can only be activated separately.

TV menu



Press the **MENU**  key on the remote control to summon the main menu. Use the on-screen Menu-Info, see p. 7, for more information about the menu items.

Picture menu

Press the cursor right to select **Picture**. Select the menu items in the Picture menu with the cursor up/down.

Adjust the settings with the cursor left/right or enter the list of submenu items with the cursor right.

Select a submenu item with the cursor up/down.

Note: To remove the menu background before adjusting the picture settings, see Select TV setup, General, p. 11.

Digital options with PAL signals

Although Pixel Plus is the most ideal setting, it may be preferable, dependent on your own preference, to select Double lines, or 100 Hz Digital Scan.

- **100 Hz Dig. Scan** = 100 Hz + Dig. Scan (Field and line flicker reduction) without motion compensation.
- **Pixel Plus** = creates near High Definition performance inside the TV on the basis of a regular input signal. The number of lines are increased and the number of pixels on a line are doubled in combination with Digital Natural Motion. As such Pixel Plus enhances both regular broadcast signals and DVD or Digital TV input towards unparalleled sharpness and depth, near High Definition and natural detail.
- **Double Lines** = provides for a doubling of vertical and horizontal resolution which adds astonishing sharpness and a total absence of visible picture lines. Motion compensation reduces jitter and offers smooth, yet sharp motion reproduction.

Digital options with NTSC signals

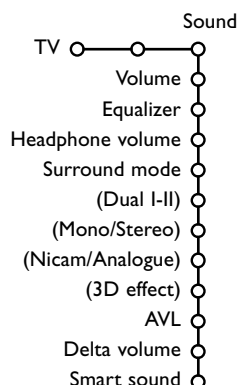
- **Progressive Scan** = line doubling eliminates line flicker.
- **Pixel Plus**

Note:

- Pixel Plus is not active when Multipip, Teletext (Except when Subtitling is activated) or Teletext Dual screen is selected.
- When having selected Pixel Plus, the size of the menus on screen is reduced. This is a normal behaviour.
- Interference, caused by fluorescent lights just above the TV, may occur when having selected Pixel Plus.

The modified adjustments for Contrast, Brightness, Colour, Sharpness, Tint, Digital options and Dynamic Contrast are automatically stored. Select **Factory settings** in the Setup menu, General, to restore the predefined factory settings, see p. 11.

Sound menu



Press the cursor right to select **Sound**.

Select the menu items in the Sound menu with the cursor up/down and adjust the settings with the cursor left/right.

Remember, control settings are at normal mid-range levels when the bar scale is centred.

Note:

- Dual **I-II** is only available with dual sound transmission.
- Mono/Stereo is only selectable in case of analogue stereo transmission.
- Nicam/Analogue is only selectable in case of Nicam transmission.
- Surround modes can not be modified when a headphone has been connected.

Surround Modes

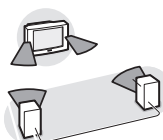
Dependent on the sound signal broadcasted, select one of the Surround modes.

Stereo



This mode reproduces only the left and right front sound signals. You only hear a stereo sound if the broadcast which you are receiving is transmitted in stereo or nicam stereo.

Hall



The special sound signal is distributed over the rear loudspeakers which creates a hall effect from the rear.

The centre loudspeaker does not reproduce any signal.

This mode is recommended when you wish to add surround sound to a broadcast which is not encoded Dolby Surround or to a mono signal.

Dolby 3 Stereo

(optimal with Dolby Surround broadcasting)

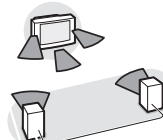


The sound signal is now distributed over the front left, the front right and the centre TV loudspeakers.

The rear loudspeakers do not produce any signal.

Pro Logic

(with Dolby Surround broadcasting)



In addition to the left and right internal speakers, the centre and the rear surround loudspeakers reproduce the Dolby Surround Pro Logic sounds.

This sound is always present in the movie or programme marked with Dolby Surround. This mode is especially recommended for such programmes or movies. Dolby Pro Logic signals are also present on some DVD tracks.

Note: Normal stereo broadcast is not always encoded to produce a rear surround sound.

Pro Logic and Hall can only be reproduced if Surround speakers is set to Yes in the Setup, Speaker menu, p. 11, and rear speakers are connected.

3D Surround

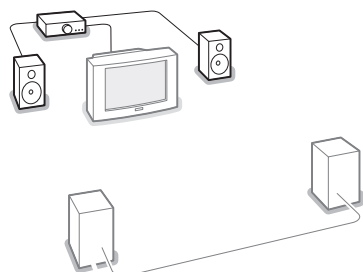
(optimal with Dolby Surround broadcasting)



3D Surround enables you to experience the effect of Dolby Surround Pro Logic* without the need of having rear speakers connected or activated. The graphical

representation of the rear loudspeakers is replaced by the symbol . Select the level of 3D effect with the cursor left/right.

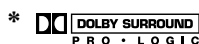
With two extra front loudspeakers connected




To enhance the sound reproduction of your TV you may connect two extra front loudspeakers via an external amplifier. See Connect Peripheral Equipment, Extra loudspeakers/Amplifier, p. 23.

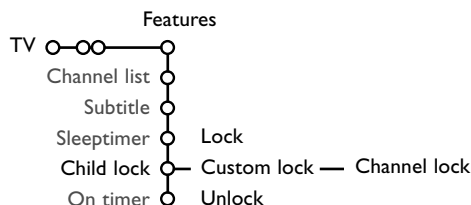
In the Surround modes + **ext. amp** is added to indicate that you should switch on your amplifier as in these modes the internal TV speakers produce only centre sound. The subwoofer speaker is muted.


Note: If extra front speakers are connected and selected, all internal TV speakers produce centre sound in the surround modes Pro Logic, Dolby 3 Stereo and 3D Surround.*



*Dolby® 'Pro Logic' and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories Licensing Corporation.

Features menu




Press the cursor right to select **Features**. Select the menu items in the Features menu with the cursor up/down and adjust the settings with the cursor left/right. Use the on-screen Menu-Info  for more information about the menu items.

Channel list

Press the **OK** key to switch over to the selected TV channel or external.

Select subtitles

Switch on teletext and select the proper subtitle page from the index. Switch off teletext. Now the subtitle page is stored for the selected TV channel. Once subtitles have been stored and **Subtitle On** has been selected they will automatically be displayed on the selected TV channels if subtitles are in the transmission. A symbol will indicate that the mode is on. Select **On during mute** when you want to have the subtitles automatically displayed when the sound has been muted with the  key on the remote control.

Child lock

- 1 Select **Child lock** with the cursor down.
- 2 Press the cursor right to enter the Child lock menu. You're summoned to enter your code. Enter the access code.
Note: You have to re-enter your code each time you enter the child lock menu.

Important: You have forgotten your code !

- Select **Cancel** with the cursor down.
- Select **Set/Change code in the Setup menu**. See General menu, Set/Change code, p. 11.
- Press **OK**.
- Press the cursor right and enter the overriding code **8-8-8-8**.
- Press the cursor again and enter a new personal 4-digit code. The previous code is erased and the new code is stored.


Note: The overriding code only works in the Set/Change code menu.


- 3 Select one of the menu items of the child lock menu.
 - Select **Lock** if you want to lock all channels and externals.
 - Select **Custom lock** and press the cursor right. Select **Channel lock** if you want to lock the programmes from a certain TV channel or external.
 - Select **Unlock** to unlock all locked channels and externals at once.

On timer

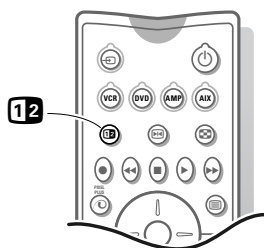
	VCR1	Sunday
	BBC1	Monday
	Off	BBC2
	
On timer	On	CNN
		Daily
		15:45
		TVE
		▶.....


- 1 Select **On timer** with the cursor down.
- 2 Select **On** with the cursor right.
- 3 Press the cursor right again to enter the channel list.
- 4 Select the TV channel or external you want your TV to switch to on a selected time and day.

- 5 Press the cursor right again to select a day of the week or to select **Daily**. Select **Daily** to set the On timer for daily operation on the selected TV channel or source.
- 6 Press the cursor right once again to enter the time.
- 7 Enter the time with the digit keys or with the cursor up/down/left/right.
- 8 Press the **OK** key to activate.
- 9 Press the **MENU**  key to turn off the menu.


Note: To check your timer settings, press the  key

Dual screen/PIP



Press the  key to turn on or off Dual screen or PIP, according to the format selection made in the Dual screen format list in the General menu, p. 11.

Audio from the main screen (the left screen in Dual screen and the full size screen in PIP) plays to the speakers; Audio from the right screen or from the PIP plays to the headphones.

Note: Continuing to hold the  key down will cycle the TV through the various formats (Dual screen, Large PIP, Medium PIP, Small PIP), launching a new format after each second the key is held down.

To highlight a screen

Pressing the cursor left/right will toggle the highlight between the left and the right screen or between the main and the PIP screen. The highlighted screen is made visible with a yellow border.


Changing TV channels or external sources in left, right or PIP screen

Press the **- CH +** key, the digit keys or the P+P key in order to change the TV channels or the external sources in the highlighted screen.

Making the PIP screen movable

- 1 Select a PIP format.
- 2 Highlight the PIP picture with the cursor left/right and press the **OK** key to make the PIP screen movable. The PIP screen can now be moved. This is made visible with a blue border around the PIP screen.
- 3 Press the cursor up/down, left/right to move the PIP screen in the direction of the cursor press.
- 4 Press the **OK** key again. The PIP screen position is fixed.


Swapping screens

Press the  key to swap the left and the right screen or the PIP screen. See notes below.

On-Screen information

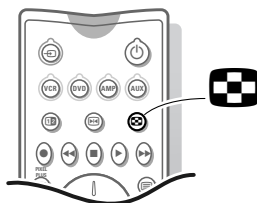
The On-Screen information, which appears when changing channels, always refers to the highlighted screen.

Deactivating Dual screen mode



Press the  key again to return to a full main screen picture. The TV tunes to the picture which was highlighted in Dual screen mode.

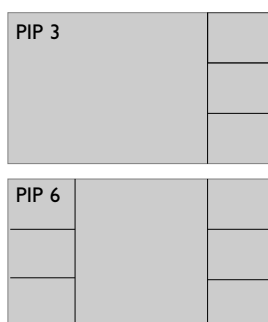
Note: When Dual screen mode is selected, two picture formats are supported: Full screen or 4:3 letterbox picture format (vertical squeeze).

Multipip



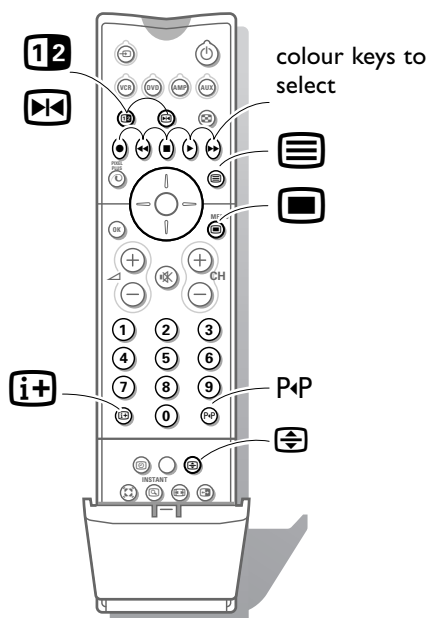
In the Setup menu, General, p. 12 you selected which Multipip format you prefer to see.

- 1 Press the  key on the remote control to toggle the selected Multipip format On or Off.
The main screen displays the channel or source tuned before Multipip was activated and the highlight is on the main screen.
- 2 Press the cursor left/right, up/down to highlight a PIP screen. When the highlight is on one of the PIP screens, it begins playing video and the other PIPs freeze. The main screen always continues playing audio and video.
- 3 Pressing the **- CH +** or the **P4P** key or the digit keys changes the channel or source for the currently highlighted screen.
Note: channels cannot be added or deleted from the Smart surf list when Multipip is activated.
- 4 Press the  key to swap the highlighted screen and the main screen. Press the cursor up/down to display a following series of PIP screen.




Note: Only TV channels which are in the favourite list and pictures from the connected and activated externals are displayed in the PIP screen.

Teletext (only English teletext supported)



Most TV channels broadcast information via teletext. This TV has a 1200 pages memory that will store most broadcasted pages and subpages to reduce waiting time. After each channel change, the memory is refreshed. It may take some time for all pages to load. Depending on the TV channel, teletext is transmitted in different systems. The colours used in the bottom line of the teletext page correspond with the colour keys of your remote control.

Switch Teletext on and off

Press  to switch the teletext on or off. The main index page appears on the screen. It shows an information line at the top, an option line at the bottom and a puck in the top left corner of the screen.

puck —

Menu	100	01	Mon 05 Feb	16.35.22
Favourite	C E E F A X			
Search	ER WIN 430			
BBC Info	110	News	300	
Children	120	Headlines	305	
Cookery	150	Weather	400	
Education	200	Sports	415	
Lottery	230	Radio	500	
Finance	240	Travel	550	
Music	280	Subtitling	888	
Red	Green	Yellow	Blue	

Select a Teletext page

With the digit keys

Enter the desired page number with the digit keys.

The page counter seeks the page or the page appears immediately when the page number has been stored in the memory.

A message appears when you have entered a non-existent or incorrect page number. Page numbers beginning with 0 or 9 do not exist. Choose another number.

With the option line

Select with the colour keys, corresponding to the coloured options at the bottom of the screen, the desired subject.

Quickly run through the txt pages

Press the cursor up/down or the - **CH +** key to run through the previous or the following pages.

Select the previously selected page

Press the P/P key.

Note: Only possible when teletext pages are active, not when the Teletext menu is displayed.

Select the index teletext page

Press the grey colour key ►► to display the main index (usually p.100).


Select subpages

When a selected teletext page consists of different subpages, one of the subpages appears on the screen.


Press the cursor right to highlight the subpagenumber. Press the cursor up/down to select the next or previous subpage or enter the subpagenumber with the digit keys.

Special teletext functions

Hold

Press  to stop the automatically rotating of the subpages or to stop the page counter from seeking when you have entered a wrong page number or when the page is not available. Enter another page number.

Enlarge

Press  repeatedly to display the upper part, the lower part and then to return to the normal page size. When the upper part is displayed, you can scroll the text, line by line using the cursor up/down.

Hypertext

With hypertext you can select and search for pages containing any word or number on the current teletext page.


- 1 Make sure you are not in the teletext menu and that the puck is in the upper left corner of the screen.
- 2 Press the cursor key down to highlight the first word or a number on the page.
- 3 Use the cursor up/down, left/right to select the word or number you want to search for.
- 4 Press the **OK** key to confirm.
A message appears at the bottom of the screen to indicate that the searching is going on or that the word or page is not found.

Select Continuous Subtitles

TV channels with teletext often transmit programmes with subtitling. For each TV channel you can store a subtitle page.

Switch on teletext and select the proper subtitle page from the index.

Switch off teletext. Now the subtitle page is stored for the selected TV channel.

Select **Subtitle On** or **Off** in the Features menu, see p. 15. The subtitle symbol  appears when Subtitle On is selected.

Teletext menu

(only available in full screen teletext mode)

- 1 Press the **MENU** key to activate the menu.
- 2 Press the cursor up/down to select the menu items.

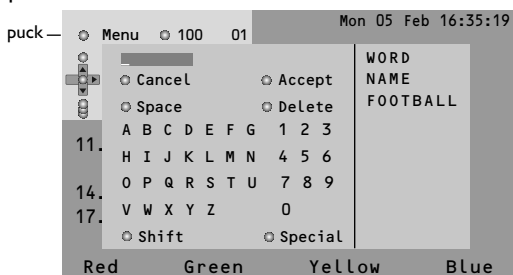
Favourite

This list contains up to eight favourite teletext pages. Only the pages of the current channel can be selected.

- 1 Press the cursor right to add the current page or to select one of the favourite pages to the list.
- 2 Press the **OK** key or the cursor right again to add.
- 3 Press the cursor left to return to the Teletext menu.

Search

On the keyboard on screen you can type in a word you want to search for in the teletext pages. Whether upper- or lowercase is used has no influence. Searching for pagenumbers is not possible.



- 1 Press the cursor left/right, up/down to select the characters, words or functions.
- 2 Press the **OK** key to confirm each character selected.
- 3 Select **Cancel** to cancel the word or character selected; **Space** to enter a space; **Delete** to delete the last character selected; **Shift** to switch between undercast or capital characters; **Special** to display special characters on the keyboard.
- 4 Press the cursor left repeatedly to return to the Teletext menu again.

Searching a word

- 1 Type in the word on screen or select a word from the history list on the right and press **OK**.
- 2 Select **Accept** and press **OK** again. The message **Searching** appears. When the word is found, it is highlighted in the teletext page.
- 3 To continue the search, press the **OK** key twice. When a word is not found, a message appears.
- 4 To search for a new word, select **Keyboard** and press **OK**. Select the new word.

Reveal

Reveals/conceals hidden information on a page, such as solutions to riddles and puzzles. Press the **OK** key to activate. Press **OK** again to return to the Teletext menu.

Cycle subpages

Makes the subpages cycle automatically. Press the **OK** key to activate and to de-activate again.

Window text

A limited amount of text is displayed at the bottom of the screen.

Press the **OK** key to activate.

Use the cursor up/down to scroll and press the cursor left to go back to the teletext menu.

Timed page

To display a specific page at a certain time.

- 1 Press the cursor right to select **Yes** or **No**.
- 2 Enter the time and pagenumber with the cursor keys or the digit keys.
Note: Teletext does not have to remain switched on. It is not possible to display a timed page when the TV is switched to standby.

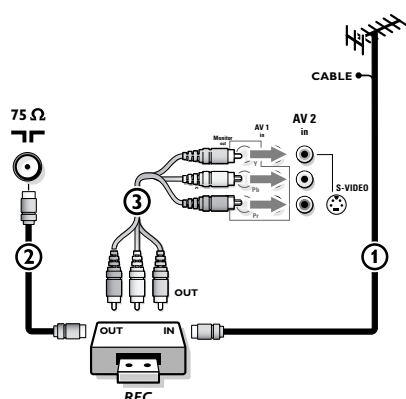
Press the **MENU** key to leave the Teletext menu.

Connect Peripheral equipment

There is a wide range of audio and video equipment that can be connected to your TV. The following connection diagrams show you how to connect them to the back or the right side of the TV.

AV1 IN can handle CVBS and YPbPr; AV2 IN CVBS and YIC; AV3 and AV4 IN digital signals of a e.g. digital HD receiver or Progressive scan DVD; SIDE: CVBS and YIC.

Recorder

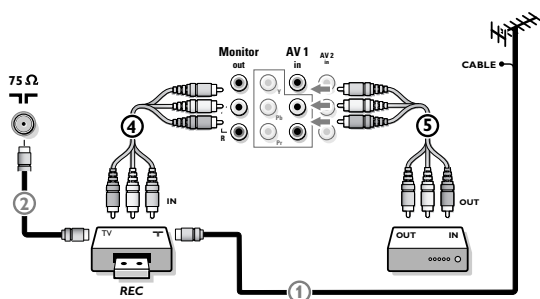


- 1 Connect the RF Antenna ① to the **RF IN** socket of your recorder.
- 2 Connect another RF cable ② from the output **OUT** of your recorder to the TV's input 75 Ω jack.
- 3 Better playback quality can be obtained if you also connect the Video, Audio Left and Right (only for stereo equipment) AV cables ③ to the **VIDEO**, **AUDIO L** and **R** input jacks of **AV2 IN**.

If your recorder has an S-VHS video jack:

For improved picture quality, connect an S-video cable with the **S-VIDEO** input instead of connecting the recorder to the **VIDEO** jack of **AV2 IN**. S-Video does not provide audio, so audio cables must still be connected to provide sound.

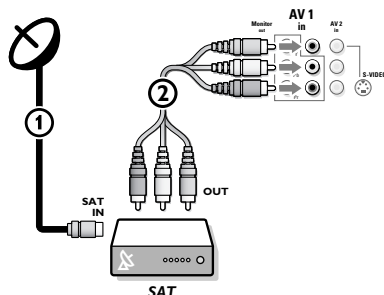
Recorder and other A/V peripherals



- 1 Connect your recorder as described above. The **MONITOR OUT** connectors can be used to record programmes from your TV ④. See Record with your recorder, p. 24.
- 2 Connect the Video, Audio left and Audio right (only for stereo equipment) cables to the **VIDEO**, **AUDIO L** and **R** input jacks of **AV1 IN** ⑤ or the side connections (see p. 21).

Note: In case of mono equipment, only the left loudspeaker reproduces sound. Use a mono to stereo adaptor (not supplied) for sound reproduction via all internal loudspeakers.

Satellite Receiver

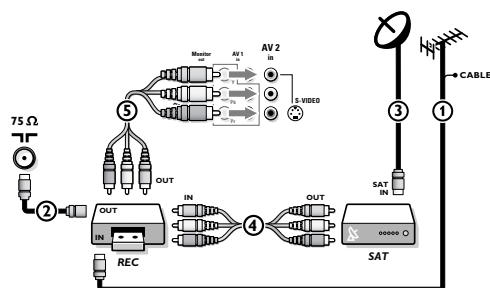


- 1 Connect the satellite antenna cable ① to the satellite receiver's **SATELLITE IN** jack.
- 2 Connect the Video, Audio left and right (only for stereo equipment), AV cables ② to the **VIDEO, L** and **RAUDIO** input **AV1 IN** jacks.

If your satellite receiver has an S-VHS video jack:

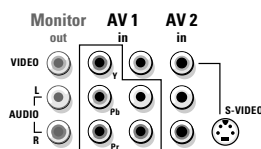
For improved picture quality, connect an S-VHS video cable with the **S-VIDEO** input instead of connecting the satellite receiver to the **VIDEO** jack of **AV2 IN**.

Satellite Receiver with a recorder



- 1 Connect your satellite receiver as described above.
- 2 Connect the RF Antenna or Cable TV cable ① to the **RF IN** socket of your recorder.
- 3 Connect another RF cable ② from the output of your recorder to the TV's 75 Ω jack.
- 4 Connect the satellite antenna cable ③ to the satellite receiver's **SATELLITE IN** jack.
- 5 Connect the AV cables ④ to the satellite receiver's **AV OUT** jacks and to the VCR's **AV IN** jacks.
- 6 Connect the recorder's **AV OUT** jacks ⑤ to the TV's **AV2 IN** jacks.

DVD player or other accessory digital source equipment



Equipment with AV connectors only

- 1 Connect the video cables to the equipment's **AV OUT** jacks and to the TV's **AV1** or **AV2 IN** jacks.
- 2 Connect the audio cables to the equipment's **AUDIO L** and **R** jacks and to the **L AUDIO** and **RAUDIO** **AV1** or **AV2** jacks on the TV. (According to where you connected the video cables, to **AV1** or **AV2**.)

Equipment with an S-VIDEO connector

- 1 Connect an S-video cable the **AV2 S-VIDEO** input.
*Note: When using the **S-VIDEO** connector do not connect any device to the video input.*
- 2 Connect the audio cables to the equipment's **AUDIO L** and **R** jacks and to the **L AUDIO** and **RAUDIO** **AV2** jacks on the TV.

With Component Video Output Connectors

- 1 Connect the cables of your **YPbPr** equipment to the **YPbPr** input **AV1 IN** sockets on the TV.

*Note: When using the **YPbPr** sockets do not connect any device to the video input of AV1.*

*Note: The YPbPr sockets on the TV are compatible with 480i (interlaced, 1 Fh) output signals only, **not** 480p (progressive scan, 2 Fh).*

- 2 Connect the Audio left and right (only for stereo devices) cables to the **AUDIO L** and **R** input of **AV1**.

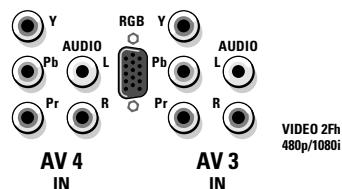
Warning: Never connect a signal to the Y-input and video-input at the same time. This may cause picture distortion !

Equipment with Progressive scan output (480p or 1080i 2 Fh)

Connect the equipment to the **AV3** or **AV4 IN** jacks on the TV. See **AV3** or **AV4 Digital HD** input, next page.

Note: The labels for the component video sockets may differ depending on the DVD player. Although the abbreviations may vary, the letters B and R stand for the blue and red component signals, respectively, and Y indicates the luminance signal. Refer to the DVD player's instructions for use for definitions and connection details.

AV3/AV4 Digital High Definition input



When you have a digital equipment with a 480p or 1080i output (e.g. a digital Set Top Box or Progressive DVD player), connect it to the **AV3** or **AV4 IN VIDEO 2 Fh 480p/1080i** input.

Connect the equipment with 2 Fh RGB output to the **RGB** connector and to the **L** and **RAUDIO** jacks of **AV3**.

Connect the equipment with 2Fh YPbPr output to the **Y**, **Pb** and **Pr** jacks and to the **L** and **RAUDIO** jacks of **AV4**.

See also the manual of your High Definition equipment.

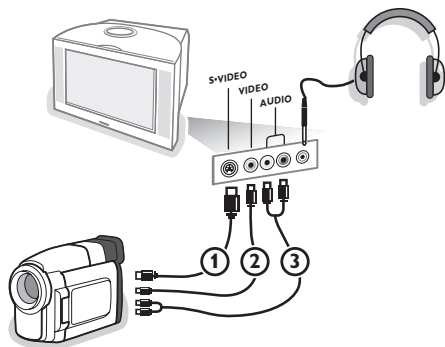
Note: This television is designed to accept high definition signal standards 1080i and 480p as specified by the Electronic Industries Association standard EIA770.3 as well as 2Fh-signal standards 576p and 1152i.

Digital devices from different manufacturers have the possibility of differing output standards which may cause difficulties for the television to properly display.

Warning: in case you notice scrolling images, wrong colours or no colour, no picture, or even combinations of these on your screen, check if the connections are done in the right way.

The AV3 input can not be used to connect a computer or any other VGA device.

Side connections



① Connect your camera or camcorder to sockets at the right side of your TV.

② Connect the equipment to **VIDEO** ② and **AUDIO L** ③ for mono equipment. For stereo equipment also connect **AUDIO R** ③.

S-Video quality with an S-VHS, Hi-8 or Digital camcorder is obtained by connecting the S-Video cables with the **S-VIDEO** input ① (instead of **VIDEO** ②) and **AUDIO** inputs ③.

*Note: If you prefer, you can also connect the camcorder to one of the TV's rear **AV IN** jacks.*

Headphone

① Insert the plug into the headphone socket at the right side of the TV.

② Press **MUTE** on the remote control to switch off the internal loudspeakers of the TV.

The headphone impedance must be between 8 and 4000 Ohm. The headphone socket has a 3.5 mm jack.

In the **SOUND** menu select **Headphone volume** to adjust the headphone volume. When the headphone is connected, the surround mode is always stereo.

Note:

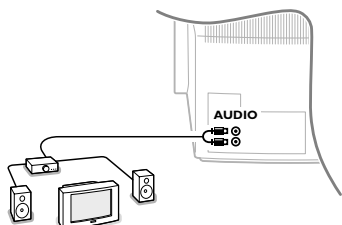
When Dual screen/PIP is activated (see p. 16):

- if the main screen displays a TV channel picture, you hear the sound from the Dual screen/PIP picture through your headphone;
- if the main screen displays a picture from a peripheral equipment, you hear the sound from the main screen through your headphone.

*Note: When using the **S-VIDEO** connector do not connect any device to the video input.*

Connect external speakers/amplifier

Stereo amplifier and two extra FRONT speakers



To enhance the sound reproduction of your TV you can connect two extra speakers via an external amplifier.

- 1 Connect the audio cables to the audio input of your amplifier and to the **AUDIO OUT L** and **R** jacks at the back of your TV. The output level is controlled by the volume control of your TV.

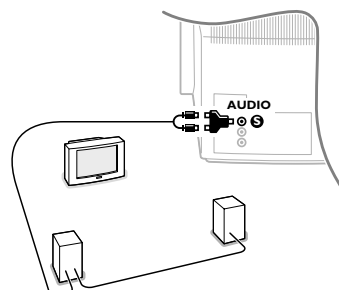
Note: Turn off the TV and your audio amplifier before connecting them.

Set the audio amplifier's volume to minimum.

- 2 Select **Centre mode On** in the Setup menu, Speakers, see p. 11. See Sound menu, Surround mode, p. 14 for the available Sound modes.

- 3 Adjust the volume of the audio amplifier. You may make use of the Test tone function in the Setup menu, see p. 10, to have a reference of the loudness of the separate speakers.
Note: Once you have adjusted the volume of the amplifier, do not change it while watching TV as the whole configuration operates with the volume adjustment of your TV.

Surround speakers



To enjoy Dolby Pro Logic Surround sound, you can connect two rear speakers with built in amplifiers (or an audio amplifier with rear speakers).

- 1 Connect the audio cables to the rear speakers and to the Dolby surround output **S** in the audio out grouping at the rear of your TV as shown above.


Note: Turn off the TV and the rear speakers before connecting them.

Rear Surround speakers should always be located behind or to either side about 1 m above the listener's head.

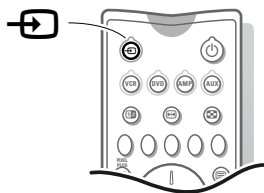
- 2 Adjust the volume of the rear speakers. Use the Test tone function in the Setup menu, Speakers, see p. 10, to have a reference of the loudness of the surround speakers in relation to the other speakers.

Note: Once you have adjusted the volume of the rear speakers, do not change it while watching TV, as the whole configuration operates with the volume adjustment of your TV.


Dolby Pro Logic Surround amplifier

- 1 Connect the Dolby Pro Logic Surround amplifier to the **AUDIO OUT L** and **R** at the back of your TV.
- 2 Select **Centre mode Off** in the Setup menu, Speakers, see p. 11. The audio output is now independent of volume, bass, treble and Surround mode settings.
- 3 Turn off the volume of the TV with the mute key .
All volume settings, tone control and speaker connections have to be done via the external Dolby Pro Logic amplifier.

To select connected equipment



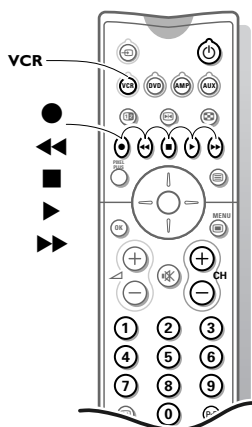
Equipment connected to the rear or on the right side of the TV

- 1 Press the  key to select **AV1**, **AV2**, **AV3**, **AV4** or **SIDE**, according to where you connected your equipment at the rear or on the right side of your TV.
- 2 Press the cursor up/down.
- 3 Press **OK**.

If you want to change to TV channels?

Enter the channel number of the TV channel which you want to watch with the digit keys.






VCR Control keys



Press the **VCR**, **DVD**, **AMP** or **AUX** key according to the equipment you want to operate with this remote control. See Use of the remote control, p. 3.

VCR keys

After you pressed the **VCR** key, press one of the VCR keys of the remote control:

-  for record,
-  for rewind,
-  for stop,
-  for play,
-  for fast forward,
- CH +** for sequential channel selection from the video recorder tuner,
- 0 to 9** to select a channel number from your video recorder tuner,

Most of the audio and video equipment from our range of products can be operated with the remote control of your TV.

These keys function with devices that uses the RC5 signalling standard.

Record with your recorder

To record S-VHS quality, connect an S-VHS peripheral directly to the recorder.

Record a TV programme


You can record a TV programme using your recorder's tuner without affecting your TV.

- 1 Select the channel number on your recorder.
- 2 Set your recorder to record. See the handbook of your recorder.

Switching channel numbers on your TV does not disturb recording !

Record from MONITOR OUT




You can record a programme on your recorder from the TV tuner via **MONITOR OUT**.

- 1 Switch on the equipment.
- 2 Select the correct channel on your TV and the correct input on your recorder.
- 3 Set your recorder to record. You record the tuner channel of the TV, even when you switch to an AV input using the  key on the remote control.

*Do not switch channels or switch off your TV when you are recording through **MONITOR OUT**.*

Before Calling Service

Please make these simple checks before calling service. These tips may save you time and money since charges for television installation and adjustments of customer controls are not covered under your warranty.

Symptoms	Items to Check and Actions to follow
"Ghost" or double images	<ul style="list-style-type: none"> This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.
No power	<ul style="list-style-type: none"> Check that the television's AC power cord is plugged into the mains socket. Unplug the television, wait for 60 seconds. Then re-insert plug into the mains socket and switch on the television again.
No picture	<ul style="list-style-type: none"> Check antenna connections at the rear of the television to see if it is properly connected to the television input terminal. Is it properly secured to the appropriate antenna plug on the TV? Possible broadcast station trouble. Try another channel. Try running the Automatic installation. Adjust the contrast and brightness settings. Try another smart picture setting. Check the  key on the remote control to make sure the correct signal source is selected.
Good picture but no sound	<ul style="list-style-type: none"> Increase the VOLUME. Check that the television is not muted, press the  key on the remote control. When no signal is detected, the television automatically switches off the sound. This is proper operation and does not indicate a malfunction. Check if your speaker configuration corresponds with the selections made in the Speakers Setting, p. 10. No sound from the rear speakers or the centre speakers? Select an appropriate Surround mode, according to the broadcasted sound signal or adjust the volume (see Surround modes, p. 14) If you have attempted to hookup peripheral equipments, check the audio jack connections. Check if the headphone is not plugged in. Check if the channel is broadcasting good quality surround.
Good sound but poor colour or no picture	<ul style="list-style-type: none"> Adjust the contrast and brightness setting. Try another smart picture setting.
Poor picture	<ul style="list-style-type: none"> Sometimes, poor picture quality occurs when having activated an S-VHS camera or camcorder connected to the right side of your TV and another device is connected to AV1 or AV2 at the same time. In this case, switch off one of the other equipments.
Snowish picture and noise	<ul style="list-style-type: none"> Check the antenna connection.
Horizontal dotted line	<ul style="list-style-type: none"> This may be caused by electrical interference (e.g. hairdryer, nearby neon lights, etc.) Switch off the equipment.
One white line across the screen	<ul style="list-style-type: none"> Switch off the television immediately and consult a qualified service personnel.
Television not responding to remote control	<ul style="list-style-type: none"> Check whether the batteries are working. Replace if necessary. Clean the remote control sensor lens on the television. Operating range between television and the remote control should not be more than 240". You can still use the M key and the -/+ keys at the top of your TV. Press the  key to be sure your remote control is in the TV mode.

If your problem is not solved:
Turn your TV off and then on again.

Never attempt to repair a defective TV yourself.
Check with your dealer or call a TV technician.

Tips

Care of the screen

Clean the TV with a slightly damp soft cloth. Do not use abrasive solvent as it can damage the TV screen.

End of life directives

We are paying a lot of attention to using environmentally-friendly production methods. Your new TV contains materials which can be recycled and reused. At the end of its life specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials that must be disposed.

Please ensure that you dispose of your old TV according to local regulations.

How to dispose of batteries?

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless in many areas batteries may not be disposed of with your household waste. Please ensure you dispose of batteries according to local regulations.

Glossary

Active Control

Measures and corrects incoming signals in order to provide the best picture quality settings.

AVL

Automatically controls the volume level to avoid too large level differences, especially during commercial breaks.

Display

An on screen message or graphics that help the user operate and adjust TV feature controls. See On Screen Displays (OSD).

DNR

Digital Noise Reduction.

By encoding signals digitally in 100 Hz sets, it is possible to clean up picture noise. This is especially beneficial in poor signal areas and when viewing poor quality video tapes.

Dolby Surround Pro Logic

Literally wraps you in 4-channel sound. It brings your favourite movies to life with all the realism and impact of cinema sound as though you are part of the action.

Hue

TV-function to modify the general colour balance between cool and warm and to adjust it according to your personal preference.

Menu

An on-screen listing of feature controls shown on the TV screen that are made available for user adjustments.

Picture and Sound Controls

Keys on the remote control to select predefined picture and sound settings.

The Eco picture mode is intended to lower power consumption of the TV and to improve picture quality of low quality digital sources.

Picture Freeze

TV mode which allows you to "freeze" a certain image in order to study a specific detail at ease, e.g. to make notes of certain programme information like phone numbers.

Programming

The procedure of adding or deleting channel numbers into the TV's memory circuits. In this way the TV 'remembers' only the locally available or desired channel numbers and skips over any unwanted channel numbers.

Specifications

	34PT9420
Picture tube size	34" (860 mm)
Picture visible area	32" (810 mm)
TV system	3,58 NTSC / 4,43 PAL
Playback system	3,58 NTSC / 4,43 PAL
Antenna input	75 ohms - co-axial
Operating voltage, Frequency	Refer to the specifications at the back of the TV
Power consumption	Refer to the specifications at the back of the TV
Audio Output	4 x 15 W (left, right, centre, subwoofer)
Dimension: Width Height Depth	841 mm 664 mm 552 mm
Nett weight (approx. only)	70 kg

International guarantee conditions

This product is guaranteed by Philips for a period of one year after the date of purchase against defects due to faulty workmanship or materials. The guarantee covers both parts and labor.

Service under guarantee is only provided upon presentation of reasonable evidence (e.g. completed guarantee card or purchase receipts) that the date of the claim is within the guarantee period.

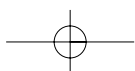
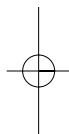
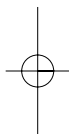
The guarantee is not valid if the defect is due to accidental damage (including in transport), misuse of neglect and in case of alterations or repair carried out by unauthorized persons.

The guarantee may not apply if the product requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized or if any damage results from these modifications.

Service (during and after guarantee) is available in all countries where this product is officially distributed by Philips. In countries where Philips do not distribute the product, the local Philips Service organization will also provide Service although there may be a delay if the appropriate spare parts and technical manual are not readily available.

These statements do not affect your statutory rights as a consumer.

In the event of difficulty please contact the Philips Information Centre in any country (see enclosed addresses).





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帮助信息

如果本说明书不提供答案或者‘在打电话给维修服务部之前’中的内容不能解决您的电视问题时，您可打电话给当地的飞利浦客服中心。参阅所提供的全世界范围的质保手册。在您拨通飞利浦的热线之前，请查询电视机的型号和产品号，您可从电视机的后盖或在它的包装上找到它们。

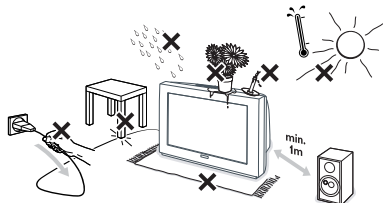
型号: 34PT9420/93

产品号:



准备工作

- ❶ 将电视安放在一个牢靠的表面上。为了达到通风的目的,在电视的周围至少要留出 5 厘米的空间。

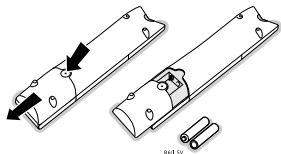


不要将电视放在地毯上。

为了防止不安全的情况发生,不要将任何物品放在电视的顶上。避免将电视放在热的、阳光直接照射的和会受雨或水淋的地方。让手机与电视保持一定的安全距离,以免干扰图像和声音。

- ❷ 将天线插头牢固地插入电视后盖上的天线插座中。为了获得最佳的图像质量,请使用所提供的具有抑制器的天线电缆。

- ❸ **遥控器**: 拆下电池仓盖。
装上所提供的 2 节电池 (型号 R6-1.5 伏)。



所提供的电池不含重金属汞和镉。

然而,在许多国家中废弃的电池不能和您的家庭废物一起处理。请按照当地的法规检查如何处理废弃的电池。

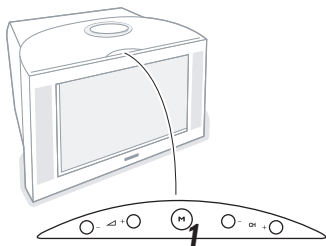
注意: 操作电视及其它设备的遥控器采用 RC6 信号标准。

- ❹ 将电视的电源插头插入墙上有 220-240 伏市电电压的插座内。为了防止损伤会引起火灾或电击的市电 (交流) 电源线,不要将电视放在该电源线上。

- ❺ **开启电视**: 按电视前面板上的电源开关 ①。
当屏幕开启时电视前面板上的绿色指示灯会点亮。如果指示灯是红色的话,请按遥控器上的 -CH+ 键。

每当您按遥控器上的一个键时,绿色指示灯会闪亮一次。当您首次开启电视机时,语言菜单会自动出现在屏幕上。不同**语言**的说明会各出现一次。选择您所需语言并在遥控器上按 **OK** 键。

电视顶部键



如果您的遥控器丢失或损坏时,您仍能使用电视顶部键来改变一些基本的设置。

- 按 **△**- 或 **+** 键来调节音量。
- 按 **CH-** 或 **+** 键来浏览已储存的电视频道或信源并选取它们。
- 按 **M** 键来调用主菜单。
- 按 **△**- 或 **+** 键在水平方向上选择菜单项。
- 按 **CH-** 或 **+** 键在垂直方向上选择子菜单项。

注意:

- 有的时候不是所有的菜单项都会在屏幕上显示出来。按 **CH-** 或 **+** 键来显示所有的菜单项。

-**Exit** 项能让您退出菜单。选取 **Exit** 并按 **M** 键。

2 设置

遥控器的使用

使用屏幕上的信息以获得有关各个键的详细信息。请参阅第 7 页。

选择外部设备

根据您已连接的外部设备位置，重复按此键来选择 AV1、AV2、AV3、AV4 或 SIDE(第 20 页)。

ACR DVD AMP AUX

直接按遥控器上的这些键之一可选用录像机、DVD 机、放大器或其它辅助设备模式(CD,SAT)。一个绿色指示灯会点亮。

若要返回到电视模式，可再按该键或等待指示灯暗淡(20 秒)。

待机

关电视机且红色指示灯点亮。
若要再开启电视，可再按此键。


双屏幕 参阅第 16 页

静止

为了激活/去激活静止图像，请参阅第 12 页；为了保持一个图文面，请参阅第 18 页。

多个画中画 参阅第 17 页。

按 - 或 + 键来调节音量。

 中断声音或恢复声音。

CH 频道选择

用于浏览所有已储存的电视频道或信源。只有存在喜爱的电视节目表中的那些频道才能用 -CH+ 键来选取。

0/9 数字键

用于选择一个电视频道。

当要选择两位数字的频道号时，应在 2 秒钟内输入第二位数字。为了立即切换到选择一位数字的电视频道，可用较长的时间按该数字键。



录像机 请参阅第 20 页


开启 / 关闭 Pixel Plus 演示


1.按 Pixel Plus 键。

电视屏幕会分成 2 部分：

- 左半部分开启 Pixel Plus 演示且关闭数字自然运动功能。
- 右半部分开启 Pixel Plus 演示及数字自然运动功能。

2.再次按 Pixel Plus 键将关闭 Pixel Plus 演示。

 开启 / 关闭图文，参阅第 17 页


 开启 / 关闭主菜单 参阅第 13 页

OK 当在菜单中时，按此键来激活您的选择。

屏幕信息

按此键来显示与所选电视频道和节目有关的信息。

菜单 / 遥控器信息

当菜单出现在屏幕上时，按  键可显示所选菜单项的有关信息。在菜单信息被显示的同时，按任何键可显示遥控器信息。参阅第 7 页。



P+P 灵智 Surf 功能

使用该功能您能方便地在 9 个不同的电视频道 / 信源之间进行切换。

在菜单系统中，您能将灵智 Surf 功能设置为 2 或 9 个节目。

在 2 个节目的 Surf 功能中按此键可选择以前观看的电视频道，或者在 9 个节目的 Surf 功能中选择 Surf 循环。

在 9 个节目的 Surf 功能中，屏幕的右侧会出现一个节目表。最上面显示的是最新观看的节目。圆盘位于最新观看的频道号上。

按 P+P 键可转到节目表中的下一个频道上，或者按上 / 下光标键来直接在节目表中选取所要观看的频道号。

若要增加一个新的频道或信源时：可调到要增加的频道或信源上。

按键。再按右光标键来增加。

如果在节目表中已经有 9 个频道 / 信源时，节目表底部的一个项目会被删除。

若要删除一个频道 / 信源时：可选择您要删除的频道号。

按 P+P 键。再按右光标键进行删除。

按 OK 键或等待超时来退出灵智 Surf 屏智。

⌚ 时间显示：在屏幕上显示时间。

🖼️ 图文功能 参阅第 18 页。

🔊 环绕模式

重复按此键来选择另一个可用的环绕声模式：立体声、杜比 3 立体声、3D 环绕声、大厅环绕声或杜比专业逻辑环绕声。

开启 / 关闭 图像放大功能

按**图像放大**键来激活 / 去激活此功能。重复按 **OK** 键来选取图像放大倍数(x1、x4、x9、x16)。使用上 / 下、左 / 右光标键来在屏幕上移动所选的放大窗口。

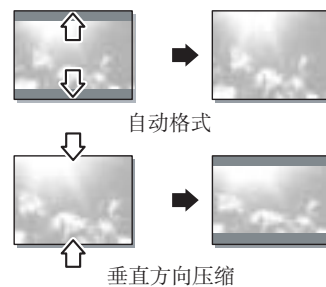
该放大的窗口会在下列情况发生后重置：选择另一个电视频道，另一种图像格式或当自动选择另一种图像格式时。



🖼️ 图像格式

重复按此键可选择另一种图像格式：自动格式、4:3 或垂直方向压缩格式。自动格式会尽可能多地使图像填充整个屏幕。

垂直方向压缩格式会将图像压缩成宽荧幕的图像格式。



🔄 交换屏幕 参阅第 16 页。

4 遥控器的使用



高级按键

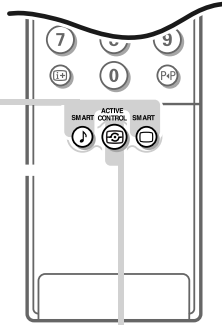
用于选择预定义的图像的声音设置。

♪ 高级声音

每次按此键时，根据工厂对高低音的特定设置值来选择不同的声音设置。

□ 高级图像


每次按此键时，根据工厂对对比度、色度、锐度、动态对比度和色彩增强的特定设置值来选择不同的图像设置。



个性化 请参阅在图像和声音菜单中选择的图像及声音个性化偏爱设置的内容。

注释 当您处于预定义的高级图像和声音设置方式时且您修改了图像或声音菜单中的设置值的话，该菜单的所有数值会覆盖原先的个性化设置数值。但预定义的工厂设置值保持不变。

动态监控

动态监控是一种预先激活的和自动的系统。电视机会连续地测量和修正所有的输入信号以提供可能获得的最佳图像。借助于能测量房间光线状况的环境光传感器，系统可将对比度、动态对比度、亮度和色度等图像设置值进行自动调节。该光传感器在动态监控功能被切换到中等或最大数值时会激活。重复按  键可 选取活性控制数值为关、最小、中等(推荐)或最大。

关 自动控制锐度和动态对比度。

最小 自动控制锐度、动态对比度和降噪功能。

中等 自动控制锐度、动态对比度、降噪和色度。

最大 自动控制锐度、动态对比度、降噪、色度和对比度。

按右光标键来选取 **INFO+**。

会出现动态监控演示菜单。

图像设置值会连续和自动地进行适应。

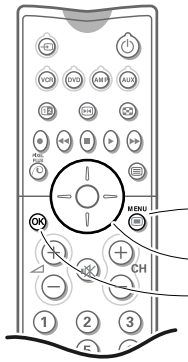
不能选择菜单项。


滑标将移动，显示电视正在如何调节当前的图像。没有一个滑标是用户可控制的。

按 **OK** 键来关掉演示。



菜单和菜单系统的使用



- 1 在遥控器上按菜单键  来调用主菜单。

注意 如果您的遥控器丢失或损坏时，您仍能使用电视顶上的键来操作。参阅第 2 页。

- 2 使用上 / 下光标键来选择电视、设置值、设置和演示菜单。

注意 有的时候不是所有的菜单项都显示在屏幕上，按下光标键来显示所有的菜单项。

- 3 使用左 / 右光标键来选择菜单项。

- 4 再使用上 / 下光标键来选取您要选的或调节的控制项。

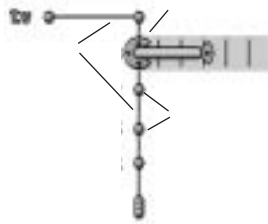
例如，查看画面菜单。

- 5 按菜单键  来关掉主菜单。

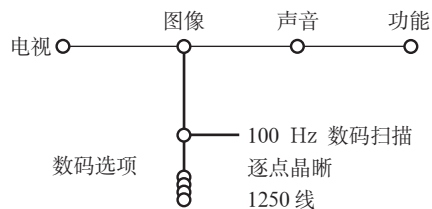
直接选择和控制

尽可能快地通过圆盘选择来控制菜单项。

管只有少数几个项需要使用 OK 键的信息。



表列控制项



菜单和控制项的层次使用生动的管、球和圆盘可视结构来描绘。但是，和图画不一样，该生动的结构恒定地显示当前的所在，连续地扩展紧邻的视图。

环绕球的圆盘指示菜单层次中用户的当前位置。当菜单系统显示时总会出现圆盘。该圆盘分成 4 部分。它们分别对应于遥控器上的方向控制项（上 / 下、左 / 右）。光标的箭头表示选择哪个方向。通过这一方法，用户能浏览所有的菜单层次，直到他们想要调节的控制项。

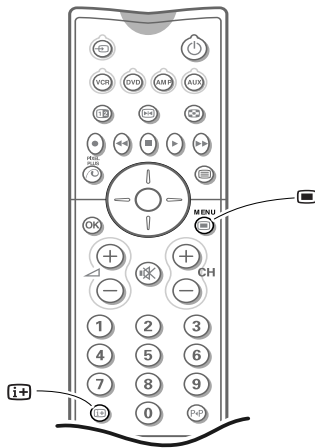
当菜单项多得使电视屏幕上不能合适地显示时就只显示其一部分。

那些被省略的部分会通过表明下面还有‘更多’内容的一族球来表示。

表列控制项被用来从一系列选项选取一个或多个项。按右光标键将圆盘移入表列中。至少有一个项为当前数值并高亮显示。

用上 / 下光标键将圆盘移上或移下会引起表列移上或移下。

6 设置



菜单信息

- 1 按菜单键 并选择一个菜单项或一个子菜单项。
- 2 按遥控器上的 键来获得与所选菜单项有关的信息。
- 3 再按 键来退出。

遥控器信息

- 1 按菜单键 .
- 2 按 键。
- 3 按遥控器上的任何键（除了光标键、OK 键、菜单键 、数字键、 键和 键外），您将获得所按键的信息。

不执行该键的通常功能。

当在遥控器上按一个不含遥控信息的键时，遥控信息会删除。

- 4 在按压显示信息用的遥控键之前按 键可显示以前在屏幕上的菜单。

选择菜单的语言



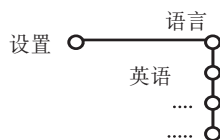
- 1 按遥控器上的菜单键 .

当您首次开启电视且还没有储存频道时，在屏幕上会自动出现菜单语言的内容。该菜单还有一个能退出菜单的附加菜单项 Exit。

屏幕上会一次显示一种不同语言的说明。

选择您所需的语言并按遥控器上的 OK 键。继续进入设置菜单。

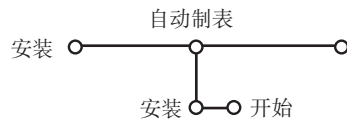
- 2 使用下光标键来选取设置菜单。
- 3 使用右光标键来选取语言项。遵循屏幕上的指示。
- 4 使用上/下光标键来选择您喜爱的语言并按OK 键确认您的选择。
- 5 继续进行设置菜单。



设置 7



储存电视频道



您现在能用两种不同的方法来搜索和储存电视频道了：用自动设置或人工设置（一个频道一个频道地调谐）。用右光标键选取您的选择。

自动安装

- 1 在安装菜单中选取自动安装。

注意 所有的频道必须解锁以便自动储存。如要求时，输入您的 PIN 代码来解锁所有频道（参阅电视，功能菜单，儿童锁，第 15 页）。

- 2 按下光标键。
出现自动储存频道的选项标记 - 开始。
- 3 按右光标键。
- 4 显示信息 搜索 及自动储存频道的进程。

当自动设置完成后，圆盘会再次导航到设置位置。节目表自动地用播送电视节目的所有频道号填入。

注意 频道号和频道名将总是用拉丁字符写入。即使当选取语言时选择了其它字符也是如此。

手动安装



一个频道接一个频道搜索和储存电视频道。
您必须通过人工设置菜单的每一个步骤。
按遥控器上的 **13** 键来获得与所选菜单项有关的信息。

- 1 在设置菜单中选取人工设置。
- 2 按下光标键。
遵循屏幕上的指示。

注意 搜索或直接选择一个频道。如果您知道频率时，请直接使用 0-9 的数字键（如 048）输入。按下光标键继续。

重复上述步骤以搜索另一个电视频道。

8 设置

取名



改变已存入内存的频道名或赋予一个电视频道以还没有输入过的名称是可能的。长度至多为5 个字符或数字的名称能提供给 0-99 的频道号。例如，SUPER、BBC1.....。在频道号 0 之前，您还能输入一个供连接到一个外部输入上的外部设备用的名称。

- ① 在设置菜单中选择取名并按下光标键。
- ② 选择频道号。
注意 保持按上/下光标键来滚动通过节目表并避免电视调到每个所经过的频道。
- ③ 按右光标键。
一个键盘会出项在屏幕上。它只显示欧洲的字符。
注意：
 - 根据在语言菜单中选择的语言，决定特定键是可用或不可用。
 - 当已选了阿拉伯字符时，您能来回切换显示阿拉伯或英文字符。大小写键被改变为更多键。按该键可切换阿拉伯字符集部分 1、2 或 3。

- 按右光标键进入键盘。
按上/下、左/右光标键来选取第一个字符并按 OK 键。对每一个您要输入的字符重复上述步骤。
选择空格来输入一个空格 删除来删去已输入名称中的高亮显示的字符 大小写来显示键盘上的大写或小写字符；特定来显示键盘上的特定字符。按 OK 键确认。
- ④ 当您完成为所选频道或外部设备取名后可重复按左光标键。
 - ⑤ 选择另一个频道号并重复步骤 3 到 5。

频道目录顺序重排

您能根据您的爱好来改编已储存电视频道的次序。

- ① 在设置菜单中选择改编并按 OK 键。
- ② 遵循屏幕上的指示。

喜好频道选择

- ① 在设置菜单中选择喜爱的频道。
- ② 用上/下光标键选择您的频道号。
- ③ 用右光标键选择是或否。
- ④ 对您要评判是喜爱的或非喜爱的每一个电视频道或外部设备重复步骤 2 和 3。



设定电视



配置菜单包含控制电视功能、特性。服务以及您可能已连接的外部设备配置值的项目。

扬声器菜单反映了与扬声器有关的控制项。

常规菜单允许您改变那些典型只会偶尔进入的设置值。

信源菜单允许您选择一个信源和/或对每个输入信源命名。

扬声器

扬声器菜单项的可用性

测试音调	●	●	●	●	●
前左声道音量	●	●	●	●	●
前右声道音量	●	●	●	●	●
中置音量		●	●		●
环绕声音量				●	●
中置模式	●	●	●	●	●
环绕声扬声器				●	●
	立体声	3 立体声	3D环绕声	大厅	杜比定向逻辑

为了接收真实杜比环绕声的完美再现能力，您应做到合适地使用和安排扬声器：

- 中置和左声道扬声器以及两路放大的后环绕声扬声器应通过电视及其内部的前右声道连接到电视的后面；
- 或者通过可变线路输出连接器和一个外部杜比放大器连接。请参阅外部扬声器 / 放大器，第 23 页。

选取不同的扬声器菜单控制项来设置电视扬声器系统的配置来获得杜比音频回放。

每个音量控制项能被调节以匹配测试音调的电平。根据所选的输出和环绕声模式（参阅主菜单，电视，环绕声，声音模式，第 14 页），某些菜单项会变成灰色且不可选取。

测试音调和音量控制项

菜单项测试音调能使您具有一个扬声器响度的参照并调节各个音量直至它们在响度上均衡为止。被激励的扬声器会点亮图形显示屏。

- 1 使用下光标键选取**测试音调**。
- 2 按右光标键来选取**开或关**。

- 3 当**开启**时，测试音调控制项产生一个以顺时针方向传过单独激活扬声器的声音测试信号，并打算用它作可调的音量控制项。

一旦开启后，该测试音调将连续传过左声道、中置、右声道以及两个后环绕声扬声器（如有的话）。

- 4 按上/下光标键来选择所需的扬声器以进行单独音量调节。
- 5 按左/右光标键来调节音量。
- 6 按需要继续选择其它的扬声器进行调节。
- 7 当完成扬声器调节后，按上光标键来返回到测试音调菜单并关掉该控制项。

10 设置



中置模式

参阅连接外部设备，外部扬声器，放大器，第 23 页。如果前扬声器未连接外部放大器时，不要改变中置模式为 No 的预定义工厂设置值。如果前扬声器连接了外外部放大器时，可选择中置模式为 Yes 的设置值。在该设置值中，处于环绕声模式的中置声道被引导到所有三个内部的电视扬声器上（左、中、右）。

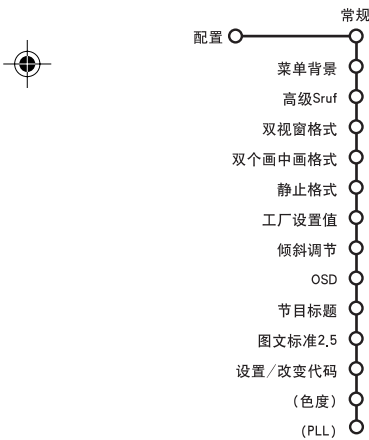
环绕声扬声器

请参阅连接外部设备，外部扬声器，第 23 页。如果未连接环绕声扬声器时，不要改变预定义的工厂设置值**关**。如果连接了环绕声扬声器时，选取设置值**开**。
如果选择了关时，杜比专业逻辑和大厅模式则不可用。

自动环绕声

有时广播商会播放供环绕声编码节目用的特定信号。当**自动环绕声开启**时，电视会自动切换到最佳的环绕声模式。
然而，覆盖该设置是可能的。

常 规



该菜单允许您改变与大部分其它设置值相比不大经常调节的各种设置值。

按遥控器上的 **13** 键来获得与所选的菜单项式。相关的信息。

双视窗格式

双视窗和画中画功能允许您同时观看两个电视频道或信源，通过扬声器听来自主屏幕的音频，通过耳机听来自另一个屏幕的音频。该菜单允许您选择喜爱的格式，该格式随后能通过使用 **12** 键开关切双视窗格式换来显示。请参阅双视窗 / 画中画，第 16 页。

- ① 使用下光标键选择**双视窗格式**。
- ② 按右光标键。
- ③ 使用上 / 下光标键选取双视窗、大画中画、中画中画或小画中画。

当选取了双视窗，且使用遥控器的 **12** 键激活了双视窗模式后，电视将屏幕分割成两个尺寸相同的屏幕。

当选取了画中画模式，且使用遥控器的 **12** 键激活了该模式后，电视会显示其顶部有一个小的、中等的或大的视频窗的全视频屏幕。

注意 继续保持将 **12** 键按下还将使电视循环经过各种格式（双视窗、大画中画、中画中画、小画中画），在该键保持按下的每秒钟后会调换一种新的格式。这种改变格式的方法不储存所选的格



多个画中画格式

在该菜单中您能选择您在多个画中画喜爱观看哪种格式：画中画 3 或画中画 6，通过按遥控器上的 键可查看显示在画中画屏幕上的编号。

注意：继续保持按下 键还将使电视循环经过各种格式。这种改变格式的方法不储存所选的格式。

- ① 使用下光标键选择多个画中画格式。
- ② 按右光标键并使用上 / 下光标键选择画中画 3 或画中画 6。参阅多个画中画，第 17 页上的如何操作内容。

静止格式

静止格式允许您在三种选项中进行选择：定格、重放、照相结束，当您按遥控器上的 键时可激活它们。请参阅第 3 页。

在该菜单中您能选择您喜爱的选项。

注意：继续保持按下 键还将使电视循环经过各种格式。这种改变格式的方法不储存所选的格式。

- ① 使用下光标键选择定格格式。
- ② 按右光标键并使用上 / 下光标键选择静止、重放、照相结束。

信 源



本菜单允许您选择您连接到外部输入之一的
外部设备。

- ① 使用右光标键选择信源。
- ② 按下光标键来选取一个外部输入。
- ③ 按右光标键来输入与所选外部输入关联的外部设备名称表。
- ④ 使用上 / 下光标键选择外部设备。

一旦您选择了信源后，如录像机，该 AV 输入在您的遥控器处于录象机模式和按遥控器上的 键时将被自动选取。请参阅第 24 页。

演示菜单

演示菜单允许您以单独或连续循环方式演示电视的功能。



- ① 在主菜单中使用下光标键选取演示。
- ② 使用右光标键选择自动演示或其它功能之一并按遥控器上的 OK 键。

如果选择了自动演示后，该演示将按顺序自动循环显示。

按光标键之一会停止自动演示。

如果选择了功能之一后，该特定功能演示将只运行一次，除非再次激活它，演示菜单才会重新出现。

选择经销商演示

选择**数字选项**、**光传感器**和**梳状滤波器**的设置值为开或关来真实地观看图像质量方面的差别。

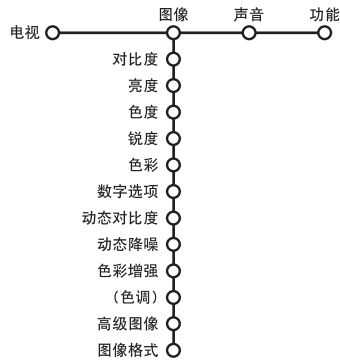
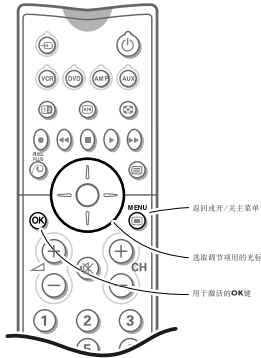
在经销商演示模式中，使用 键来变换频道和调节音量是可能的。


注意：经销商演示不是自动序列的组成部分并只能单独激活。

12 菜单的使用



选择菜单的语言



按遥控器上的菜单键  来调用主菜单。
使用屏幕上的菜单信息，参阅第 7 页以获得有关菜单项的详细信息。

画面菜单

按右光标键来选取图像。
使用上/下光标键在画面菜单中选取菜单项。
使用左/右光标键调节设置值或使用右光标键进入子菜单项。
使用右光标键选取子菜单项。
注意：为了在调节图像设置值之前去除菜单背景，请参阅选择电视设置，常规，第 11 页。

使用 PAL 信号的数字选项

虽然 Pixel Plus 是最理想的设置，但根据您的个人偏爱，选取倍行或 100 Hz 数字扫描可能更好。

● **100 Hz 数字扫描** = 没有运动补偿的 100 Hz + 数字扫描（降低场和行的闪烁）。

● **逐点晶晰** = 在常用的输入信号基础上在电视内部创建接近于高清晰度的性能。

扫描的行数增加，一行上的像素数加倍并且与数字自然运动特性组合。因此，Pixel Plus 既增强了常用的广播信号，又使 DVD 或数字电视输入具有空前的锐度和深度，接近的高清晰度和自然的细节。

● **倍行** = 提供双倍的垂直和水平分辨率，它增加了令人惊讶的锐度以及总体上消除了可觉察的像行。运动补偿降低了图像的跳动并提供平滑而仍然敏捷的运动重现。

使用 NTSC 信号的数字选项

● **逐行扫描** = 加倍的扫描行消除了行闪烁。

● **逐点晶晰**

注意：

- 当选择了多个画中画、图文（当子标题激活时除外）或图文双视窗时 Pixel Plus 不起作用。
- 当选择了 Pixel Plus 时，屏幕上的菜单尺寸会减小。这是正常的现象。
- 当选择了 Pixel Plus 时，由电视上方的日光灯可能会产生干扰。

修改对比度、亮度、色度、锐度、色彩、数字选项和动态对比度的调节会自动储存。
在常规，设定菜单中选择工厂设置值，可恢复预定义的工厂设置值，参阅第 11 页。



声音菜单



按右光标键来选取**声音**。

在声音菜单中使用上/下光标键选取菜单项并使用左/右光标键来调节设置值。记住，当条形标尺处于中央位置时，控制设置值通常在中等水平上。

注意：

- 双路 I-II 设置只有在双路声音传输的情况下可用。
- 单声道/立体声只有在模拟立体声传输的情况下可选。
- Nicam/模拟只有在 Nicam 传输的情况下可选。
- 当连接了耳机时，不能修改环绕声模式。

环绕声模式

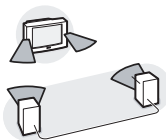
根据广播的声音信号状况，选取一种环绕声模式。

立体声



该模式仅重现前左和前右的声音信号。
您只能在播放立体声或 Nicam 立体声的广播中才能听立体声。

大厅



特定的声音信号被分配到后扬声器，从后面创建一种大厅的效果。
中置扬声器不重现任何信号。

当您要将环绕声加到未使用杜比环绕声的广播或单声道信号中时，推荐采用此模式。

杜比 3 立体声

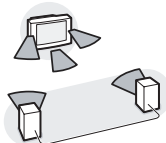
(在杜比环绕声广播情况下效果最佳)



声音信号被分配到电视前左、前右和中置扬声器。
后部的扬声器不产生任何信号。

杜比定向逻辑环绕声

(在杜比环绕声广播情况下使用)



除了左右内部扬声器外，中置和后环绕声扬声器也重现杜比定向逻辑环绕声。该声音总是在电影或标志以杜比环绕声标记 **DD** 的

3D 环绕声

(在杜比环绕声广播情况下效果最佳)



3D 环绕声能使您体验杜比专业逻辑环绕声*的效果而无须连接后扬声器或激活它们。

后扬声器的图形描述使用符号 **)))** **(** 来代替。
使用左/右光标键选择 3D 效果的强弱。

节目中出现。该模式尤其被推荐用于这些节目和电影。杜比定向逻辑环绕声还出现在某些 DVD 的节目上。

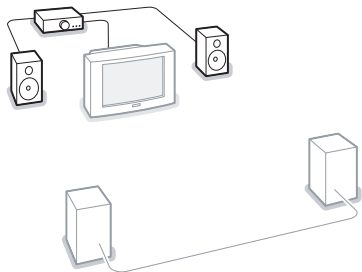
注意：通常的立体声广播不总是编码成产生后部环绕声的。

杜比定向逻辑环绕声和大厅模式只有在环绕扬声器被设置为 Yes 及连接了后扬声器时才能重现，参阅设置，扬声器菜单，第 11 页。

14 菜单的使用



连接两个额外的前扬声器




为了增强电视的声音重现，您可以通过一台外部放大器连接两个额外的前部扬声器。请参阅连接外部设备，额外的扬声器 / 放大器，第 23 页。

在环绕声模式中，项 + 外部放大器被加入，表示由于在该模式中电视内部的扬声器仅产生中置声音而您应开启外部放大器。重低音扬声器不发声。

注意：如果连接和选取了额外的前部扬声器时，所有的电视内部扬声器在杜比定向逻辑环绕声*、杜比 3 立体声和 3D 环绕声模式中都仅产生中置声音。



‘杜比’‘专业逻辑’和双 D 符号  均为杜比公司的商标。这些技术在杜比公司的许可下才能生产制造。

功能菜单



按右光标键来选取功能。

在功能菜单中使用上 / 下光标键选择菜单项并使用左 / 右光标键调节设置值。

使用屏幕上的菜单信息键  获得关于菜单项的详细信息。

节目表

按 OK 键来切换所选的电视频道或外部设备。


选择子标题

开启图文并从索引中选择合适的子标题页。

关掉图文。现在该子标题页被储存在所选的电视频道中。

一旦储存了子标题以及选取了子标题 开 后，若子标题在传输时它们会在选定的频道上自动进行显示。

一个符号将表示模式已开启。

当您要子标题自动显示且声音已用遥控器上的  键关掉声音时，选择传输期间静音选项。

儿童锁

- ① 使用下光标键选取儿童锁。
- ② 按右光标键进入儿童锁菜单。您被要求输入代码。输入您的接入代码。
注意：您在每次进入儿童锁菜单时必须重新子标题输入您的代码。

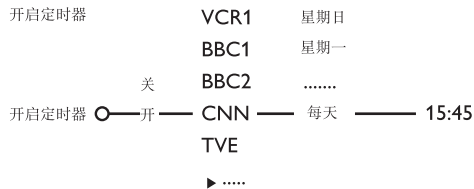
重要注意事项：如您忘记代码的话！

- 使用下光标键选取删除。
- 在设置菜单中选取设置 / 改变代码。参阅常规菜单，设置 / 改变代码，第 11 页。
- 按 OK 键。
- 按右光标键并输入替换代码 8-8-8-8。
- 再按光标键并输入一个新的 4 位数字的个人代码。原先的代码被删除而新的代码被储存。
注意：该替换代码工作于设置 / 改变代码菜单。

- ③ 选取儿童锁菜单中的一个菜单项。
 - 如果您要锁定所有的频道和外部设备时，选取锁定。
 - 选择用户锁定并按右光标键。如果您要锁定某个电视频道或外部设备的节目时则选取锁定节目
 - 选择解锁可解开所有锁定的频道和外部设备。

菜单的使用 15

开启定时器

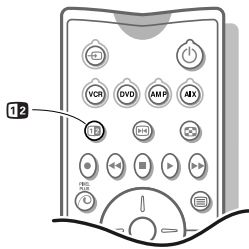


- 1 使用下光标键选取**开启定时器**。
- 2 使用右光标键选择 **开**。
- 3 再按右光标键来进入节目表。
- 4 选取您要电视在选定的日期和时间开启的频道和外部设备。

- 5 再按右光标键来选择星期中的某一天或选择**每天**。
- 6 再按右光标键一次来输入时间。
- 7 用数字键或上/下、左/右光标键输入时间。
- 8 按菜单键 来关掉菜单。

注意 为了检查您的定时器设置值, 按 键。

双视窗 / 画中画



根据在第 11 页的常规菜单中对双视窗格式表所进行的格式选择, 按 **12** 键来开启或关闭双视窗或画中画。

来自主屏幕 (在双视窗中为左边的屏幕而在画中画屏幕中为整个尺寸的屏幕) 的音频信号在扬声器上播放; 来自右屏幕或画中画屏幕的音频信号则在耳机中播放。

注意: 继续保持按下 **12** 键将使电视循环经过各种格式 (双视窗、大画中画、中画中画和小画中画)。按下该键每经一秒钟会显示一个新的格式。

高亮显示一个屏幕

按左/右光标键将切换高亮显示左右屏幕或两个画中画屏幕之一。可以看到高亮显示的屏幕有一个黄色的框。

改变左、右或画中画屏幕中的电视频道或外部信源

按 **-CH+** 键、数字键或 **P+P** 键来改变高亮显示屏幕的电视频道或外部信源。

使画中画屏幕可移动

- 1 选择一种画中画格式。
- 2 使用左 / 右光标键来高亮显示画中画图像, 并按 **OK** 键使该画中画屏幕可移动。现在该画中画屏幕能移动了。可以看到该屏幕周围具有一个蓝色的框。
- 3 按上 / 下、左 / 右光标键使该画中画屏幕按所压光标键的方向移动。
- 4 再按 **OK** 键。该画中画屏幕的位置会固定。

交换屏幕

按 **↔** 键来交换左右屏幕或画中画屏幕。请参阅下面的注意事项。

屏幕上信息

当变换频道时出现的屏幕上信息总是指高亮显示的屏幕。

去激活双视窗模式

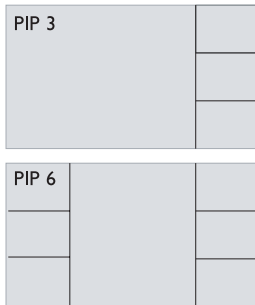
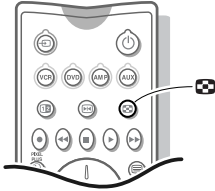
再按 **12** 键来返回到完整的主屏幕图像。电视将图像调谐到原先在双视窗中高亮显示的节目上。

注意 当选择了双视窗模式时, 支持两种图像格式: 全屏或 4:3 图文图像格式 (垂直压缩的)。


16 双视窗



多个画中画




在设置菜单，常规，第 12 页中，您选择了您喜爱观看的何种多个画中画格式。

按遥控器上的  键来所选的多个画中画格式切换成 开 或 关。主屏幕显示在多个画中画被激活之前播放之前播放的频道或信源，并将它高亮显示在主屏幕上。

按上/下、左/右光标键来高亮显示一个画中画屏幕。当高亮显示的屏幕在一个画中画屏幕上时，它开始播放视频图像，而其它的画中画屏幕则静止。主屏幕总是连续播放音频和视频。

按 -CH+ 键、P-P 键或数字键变换当前高亮显示屏幕的频道或信源。

注意：当多个画中画被激活时，不能在高级 Surf 表中增加或删除频道。

按  键来交换高亮显示的屏幕和主屏幕。按上/下光标键来显示后面一系列的画中画屏幕。

注意：只有在喜爱的节目表中的电视频道和已连接并被激活的外部设备图像才能显示在画中画屏幕上。

图文

(第仅适用于英文图文电视信号)

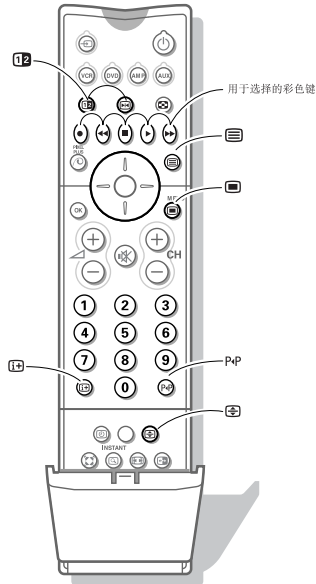
大多数电视频道通过图文播送信息。本电视具有 1200 页的内存，它将储存大量的播送页和子页以减少等待时间。在每个节目改变后，该内存会被刷新。这可能要花一些时间来装载所有的页。根据所用的电视频道，图文会以不同的制式传送。在图文页底行中使用的彩色与您遥控器上的彩色键项对应。

开启和关掉图文

按  键来开启或关掉图文

在屏幕上出现主索引页。

它在顶部显示一行信息行，在底部显示一行选项行，以及在屏幕的左上角一显示一个圆盘。



圆盘

Menu 100 01		Mon 05 Feb 16.35.22	
Favourite		C E E F A X	
Search		ER WIN 430	
News	300	News	300
BBC Info	110	Headlines	305
Children	120	Weather	400
Cookery	150	Sports	415
Education	200	Radio	500
Lottery	230	Travel	550
Finance	240	Subtitling	888
Music	280	TV Listings	600
Red	Green	Yellow	Blue

多个画中画与图文 17



选择图文页面

使用数字键

使用数字键输入所需的页码。页计数器会搜寻该页码，或者当该页 1 码已储存在内存中时立即显示它。当您输入了一个不存在的或不正确的页码时，会显示一条信息。以 0 或 9 开头的页码不存在。可选择另一个页码。

使用选项行

使用对应于屏幕底部处的彩色选项的彩色键选择所需的主题。

快速浏览文字页

按上 / 下光标键或 -CH+ 键来浏览前面的或后面的页。

选取以前选择的页

按 P+P 键。

注意：只有在图文页被激活，而不是显示图文菜单时才可能。

选择索引图文页

按灰色的键 ►► 来显示主索引（通常是第 100 页）。

选择子页

当选取的图文页由不同的子页组成时，一个子页会出现在屏幕上。

按右光标键来高亮显示该子页码。按上 / 下光标键来选取下一页或上一页子页，或者用数字键输入子页页码。

特定的图文功能

保持

按 [] 键来停止子页的自动旋转或停止因您输入一个错的页码或当该页码不可用时搜寻该页码的页计数器。这时可输入另一个页码。

放大

重复按 [] 键来显示上半部分和下半部分，然后返回到正常尺寸。当显示上半部分时，您能使用上 / 下光标键逐行滚动文字。

超级文字功能

使用此功能您能选取和搜索在当前图文页上包含的任何词或数字的图文页。

- ① 确保您不在图文菜单中，且圆盘位于屏幕的左上角。
- ② 按下光标键来高亮显示页上的头一个词或数字。
- ③ 使用上 / 下、左 / 右光标键来选择您要搜索的词或数字。
- ④ 按 OK 键确认。

在屏幕底部会出现一条信息，表示搜索在进行或未找到该词。

选择连续的子标题

使用图文的电视频道经常会传送有子标题的节目。对每个电视频道您都能储存子标题页。

开启图文并从索引中选取合适的子标题页。

关掉图文。现在该子标题页已储存在所选的电视频道中了。

在功能菜单中选取子标题 开 或 关，参阅第 15 页。当选择了子标题 开 时，会出现子标题符号 []。

18 图文

图文菜单

(只有在全屏幕图文模式时才可用)

- 1 按菜单键 来激活菜单。
- 2 按上 / 下光标键来选择菜单项。

喜爱

此表最多包含 8 页喜爱的图文页。只有当前频道的图文页才能被选取。

- 1 按右光标键来将当前页或选取一个喜爱的页加到表中。
- 2 按 OK 键或再按右光标键来添加。
- 3 按左光标键来返回到图文菜单。

搜索

在屏幕的键盘上，您能打入一个您要在该图文页中搜索的词。不管使用的是大写或小写的词，对搜索都不影响。不能搜索页码。

搜索一个词

- 1 在屏幕上打入一个词或从右边的历史词表中选一个词，并按 OK 键。
- 2 选取接受并再按 OK 键。出现正在搜索的示。信息。当找到该词时，它在图文页中高亮显
- 3 为了继续搜索，按 OK 键两次。当词没有找到时，会出现一条信息。
- 4 为了搜索一个新的词，选择键盘并按 OK 键。然后选取新的词。

显示

在图文页上显示/隐藏隐藏的信息，例如谜语和字谜的答案。按 OK 键来激活。再按 OK 键来返回到图文菜单。

循环子页

使子页自动循环。按 OK 键来激活或者再按 OK 键去激活。

图文视窗

屏幕底部仅显视一定数量的图文
按ok键激活
按游标上/下键去翻滚，
按游标左键回到图文主菜单。

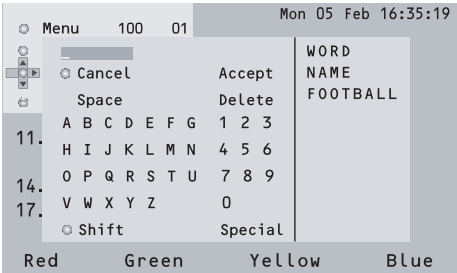
定时页

在某个特定时间显示特定的页。

- 1 按右光标键来选择 Yes 或 No。
- 2 使用光标键或数字键输入时间和页码。
注意：无须保持开启图文。当电视切换到待机方式时，不能显示定时页。

按菜单键 来离开图文菜单。

圆盘



- 1 按上 / 下、左 / 右光标键来选取字符、词或功能。
- 2 按 OK 键确认每个选取的字符。
- 3 选择删除来删去所选的词或字符；空格来输入入一个空格；大小写来切换大写或小写字符；特定来显示键盘上的特殊字符。菜单键来离开图文菜单。
- 4 重复按左光标键来重新返回图文菜单。

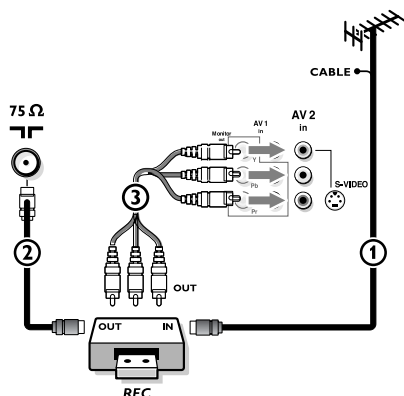


连接外部设备

有很大范围的音频和视频设备可连接到您的电视上。下面的连接图显示了您如何连接它们到电视的后面或右侧。

AV1 IN 能处理 CVBS 和 YpbPr; AV2 IN 能处理 CVBS 和 Y/C; AV3 和 AV4 IN 可连接数字输入, 如数字 HD 接收器, 或者逐行扫描的 DVD、SIDE、CVBS 和 Y/C。

录像机



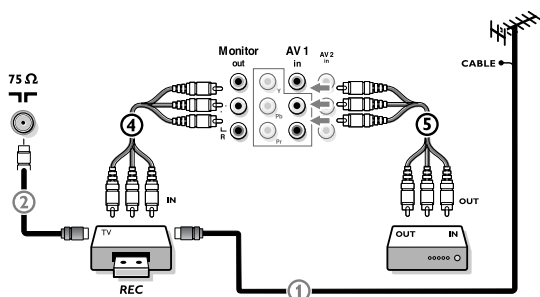
- 1 将射频天线 1 连接到您录像机的 RF IN 插座上。
- 2 将另一根射频电缆 2 从您录像机的输出 OUT 连接到电视的 75 Ω 输入插座上。
- 3

如果您还连接视频、音频左和右 (仅对立体声设备而言) 信号时可获得更好的回放质量, 将 AV 电缆连接到 VIDEO、将 AUDIO L 和 R 连到 AV2 IN 的输入插座上。

如果您的录像机有一个 S-VHS 的视频插座 为了改善图像质量, 用一根 S-视频电缆连接到 S-VIDEO 输入上, 替代将录像机连接到 AV2 IN 的 VIDEO 插座的连接。

S-视频电缆不提供音频连接, 因此, 仍必须连接音频电缆来提供声音。

录像机和其它 A/V 外部设备



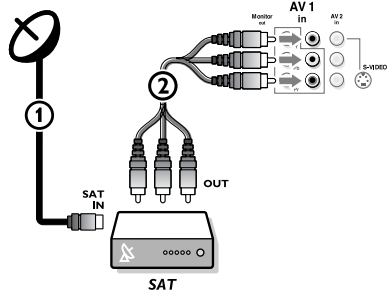
- 1 按上面所述那样连接您的录像机。MONITOR OUT 插座能被用来从您的电视 4 录制节目。请参阅使用您的录像机录像, 第 24 页。
- 2 将视频、音频左和右 (仅对立体声设备而言) 电缆分别连接到 AV1 IN 5 的 VIDEO、AUDIO L 和 R 输入插座上或侧面的连接插座上 (参阅第 21 页)。

注意: 在单声道设备的情况下, 只有左路的扬声器重放声音。使用一个单声道对立体声的适配器 (未提供) 通过所有的内部扬声器进行声音重现。

20 连接外部设备

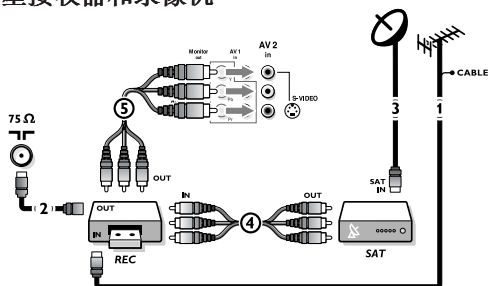


卫星接收器



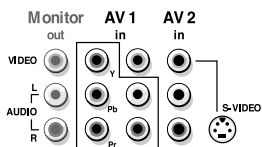
1. 将卫星天线电缆 1 连接到卫星接收器的 SATELLITE IN 插座上。
2. 将视频、音频左和右（仅对立体声设备而言）、AV 电缆 2 分别连接到 AV1 IN 的 VIDEO、AUDIO L 和 R 输入插座上。如果您的卫星接收器有一个 S-VHS 的视频插座：为了改善图像质量，用一根 S-视频电缆连接到 S-VIDEO 输入上，替代将卫星接收器连接到 AV2 IN 的 VIDEO 插座的连接。

卫星接收器和录像机



1. 按上面所述那样连接您的卫星接收器。
2. 将射频天线或有线电视电缆 1 连接到您录像机的 RF IN 插座上。
3. 将另一根射频电缆 2 从您录像机的输出连接到电视的 75 Ω 输入插座上。
4. 将卫星天线电缆 3 连接到卫星接收器的 SATELLITE IN 插座上。
5. 将 AV 电缆 4 连接到卫星接收器的 AV OUT 插座和录像机的 AV IN 插座上。
6. 连接录像机的 AV OUT 插座 5 到电视的 AV2 IN 插座上。

DVD 机或其它辅助的数字信源设备



仅使用 AV 连接器的设备

1. 将视频电缆连接到设备的 AV OUT 插座和电视的 AV1 或 AV2 IN 插座上。
2. 将音频电缆连接到设备的 AUDIO L 和 R 以及电视 AV1 或 AV2 的 AUDIO L 和 R 上（根据您的连接视频电缆哪里，到 AV1 或 AV2）。

使用 S-视频连接器的设备

1. 将 S-视频电缆连接到 AV2 的 S-VIDEO 输入上。
注意：当使用 S-VIDEO 连接器时，不要将任何设备连接到视频输入上。
2. 将音频电缆连接到设备的 AUDIO L 和 R 和电视 AV2 的 AUDIO L 和 R 插座上。

使用分量视频输出连接器

1. 将您的 YpbPr 设备连接到电视 AV1 IN 的 YpbPr 输入上。

注意：电视上的 YpbPr 插座仅兼容于 480i（隔行，1 Fh）输出信号，不兼容于 480p（逐行，2 Fh）。

2. 将音频左和右（仅对立体声设备而言）电缆连接到 AV1 的 VIDEO、AUDIO L 和 R 输入插座上。

注意：不可以同时连接 YUV 和 Video 的 Y 信号，可能会引起图像失真！

使用逐行扫描输出（480p 或 1080i 2 Fh）的设备

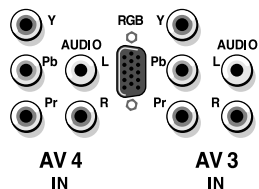
将设备连接到电视的 AV3 或 AV4 IN 插座上。参阅 AV3 或 AV4 数字 HD 输入，下一页。

注意：分量视频插座的标记可能不同，这取决于 DVD 机。虽然缩写可能变化，但字符 B 和 R 表示蓝色和红色分量，而 Y 表示亮度信号。参考 DVD 机说明书的定义使用和连接的详细方法。

连接外部设备 21



AV3/AV4 数字高清晰度输入



当您有一台具有 480p 或 1080i 输出的数字设备（如数字式机顶盒或逐行的 DVD 机）时，将它连接到 AV3 或 AV4 IN VIDEO 的 2Fh 480p/1080i 输入上。

将具有 2 Fh RGB 输出的设备连接到 RGB 连接器和电视 AV3 的 AUDIO L 和 R 插座上。

将具有 2 Fh YpbPr 输出的设备连接到 Y、Pb 和 Pr 插座及 AV4 的 AUDIO L 和 R 插座上。

参见您高清晰度设备的使用手册。

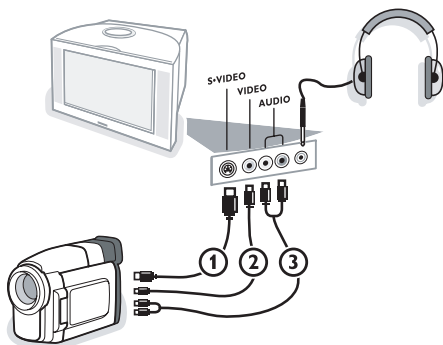
注意：本电视的根据电子工业协会标准 EIA770.3 中规定的高清晰度标准 1080i 和 480p 以及 2 Fh 信号标准 576p 和 1152i 进行设计。

由不同制造商生产的数字设备有可能使用不同的输出标准，这可能引起正确显示电视图像的问题。

警告：如果您注意到屏幕上出现翻滚的图像、错误的彩色或无彩色、无图像或者甚至是它们的组合时，检查是否用正确的方法进行了连接。

AV3 输入不能被用来连接计算机或任何其它的 VGA 设备。

侧面连接




- 1 将您的摄像机或摄录像机连接到电视右侧的插座上。
- 2 将设备连接到单声道设备用的 VIDEO 2 和 AUDIO L 3 上。对于立体声设备，还要连接 AUDIOR 3。

使用 S-VHS、Hi-8 或数字摄录像机的 S-Video 质量通过将 S- 视频电缆连接 S-VIDEO 输入 1（替代 VIDEO 2）和 AUDIO 输入 3 来获得。

注意：如果您愿意的话，您还能将摄录像机连接到电视后面的一个 AV IN 插座上。

耳机

- 1 将耳机插头插入电视右侧的耳机插座内。
 - 2 按遥控器上的  键来关掉电视内部的扬声器。耳机的阻抗必须为 8 - 4000 欧姆。耳机的插座为 3.5mm 的捷克插。
- 在声音菜单中选取耳机音量来调节耳机的音量。当连接了耳机时，环绕声模式总是为立体声。

注意：

当双视窗 / 画中画被激活时（参阅第 16 页）：

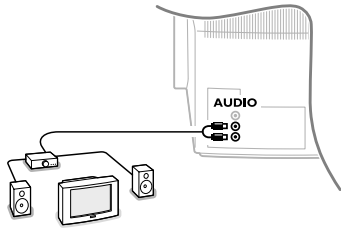
如果主屏幕显示一个电视频道图像时，您通过耳机听双视窗 / 画中画图像的声音。

如果主屏幕显示来自外部设备的图像时，您通过耳机听来自主屏幕的声音。

22 连接外部设备

连接外部扬声器 / 放大器

立体声放大器和两个额外的前扬声器



为了增强电视的声音重现, 您可通过外部的放大器连接两个额外的扬声器。

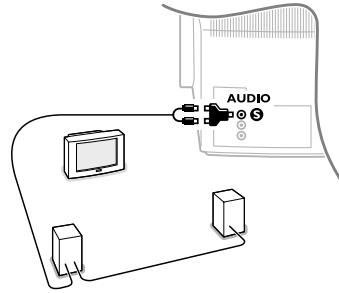
- 1 将音频电缆连接到放大器音频输入以及电视后面的 AUDIO OUT L 和 R 插座上。输出音量由电视的音量控制器控制。

注意: 在连接前先关掉电视和后扬声器。
将音频放大器的音量设置为最小。

- 2 在设置菜单, 扬声器中选择中置模式开, 参阅第 11 页。
参阅第 14 页上声音菜单, 环绕声模式中有关可用声音模式的内容。

- 3 调节音频扬声器的音量。
您可利用设置菜单中的测试音调功能, 参阅第 10 页, 该功能具有环绕声扬声器的响度相对其它扬声器响度的参照。
注意: 一旦您调节了后扬声器的音量后, 在观看电视时不要改变它, 因为整个配置都使用电视的音量调节来操作。

环绕声扬声器



为了享受杜比专业逻辑环绕声, 您可将两个后扬声器与内置放大器连接 (或一台放大器连接后扬声器)。


- 1 将音频电缆连接到后扬声器和杜比环绕声电视后面的音频输出组中的杜比环绕声输出 S 上, 如上图所示。

注意: 在连接前先关掉电视和后扬声器。

后环绕声扬声器应总是位于聆听者的后面或者他的两侧的头顶上约 1 米的地方。

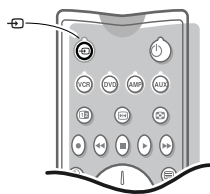
- 2 调节后扬声器的音量。
使用在设置菜单, 扬声器中的测试音调功能, 参阅第 10 页, 该功能具有环绕声扬声器的响度相对其它扬声器响度的参照。
注意: 一旦您调节了后扬声器的音量后, 在观看电视时不要改变它, 因为整个配置都使用电视的音量调节来操作。

杜比定向逻辑环绕声放大器

- 1 将杜比定向逻辑环绕声放大器连接到电视后面的 AUDIO OUT L 和 R 插座上。
- 2 在设置菜单, 扬声器中选择中置模式开, 参阅第 11 页。现在, 该音频输出就不依赖于音量、低音、高音和环绕声模式的设置值了。
- 3 使用静音键  关掉电视的音量 / 所有的音量设置、音调控制和扬声器连接都必须通过外部的杜比定向逻辑环绕声放大器进行了。



设备连接与选择



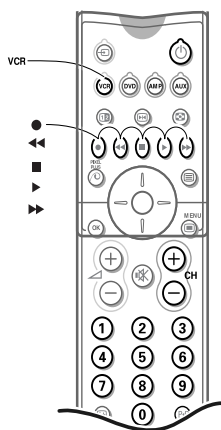
连接到电视后面或右侧的设备

- 1 根据您将设备连接到电视后面或右侧的哪个地方，按键来选择 AV1、AV2、AV3、AV4 或 SIDE。
- 2 按上 / 下光标键。
- 3 按 OK 键。

您是否要变换电视频道？

使用数字键输入您要观看的电视频道的频道号。

VCR 控制键



根据您要使用遥控器操作的设备，按 VCR、DVD、AMP 或 AUX 键。参阅遥控器的使用，第 3 页。

VCR 键

在您按了 VCR 键后，可再按遥控器上的各 VCR 操作键

- 录像。
- ◀◀ 倒带。
- 停止。
- ◀ 回放。
- ▶▶ 快进。

-CH+ 从录像机调谐器进行顺序的频道选取。

0 - 9 从录像机调谐器选取一个频道号。

这些操作键可操作使用 RCS 信号标准的设备。

大部分来自我们产品范围的音频和视频设备能使用您的电视遥控器进行操作。

使用您的录像机录像

为了录制 S-VHS 质量，直接将一台 S-VHS 外部设备连接到录像机上。

录制一个电视节目


您能使用录像机的调谐器在不影响您电视的情况下录制一个电视节目。

- 1 在您的录像机上选取频道号。
- 2 将您的录像机设置成录像方式。
参阅您录像机的使用手册。

在您的电视上变换频道号不会干扰录像！

从 MONITOR OUT 录像

您能在录像机上通过 MONITOR OUT 从电视调谐器录制节目。

- 1 开启设备
- 2 在您的电视上选取正确的频道和在您的录像机上选取正确的输入。
- 3 将您的录像机设置成录像方式。
甚至在您使用遥控器上的  键切换到一个 AV 输入时，您也能录制电视调谐器频道的节目。

当您正在通过 MONITOR OUT 录像时，不要切换频道或者关掉您的电视。

24 录制



在与维修中心联系之前

在打电话给维修服务部之前请进行这些简单的检查。表中的提示可节省您的时间和金钱，因为由客户负责的电视安装和调节的费用不包括在您的质保范围内。

症状	检查的项目和采取的措施
“叠影”或双重图像	● 这可能由高层建筑物或小山阻挡电视天线而引起。使用一根高定向的天线可能会改善图像质量。
无电源	● 检查电视的交流电源线是否插入市电插座内。 ● 拔去电视的电源插头，等待 60 秒钟。然后重新将插头插入市电插座并再开启电视。
无图像	● 检查电视后盖处的天线连接器，看它是否正确地连接到电视的天线输入端子上。天线正确地固定在电视上合适的天线插头上吗？ ● 电视台可能发生故障。试一下另一个频道。尝试运行自动设置。 ● 调节对比度和亮度设置值。尝试另一种高级图像设置。 ● 检查遥控器上的  键来确保选择了正确的信源。
图像好但无声音	● 增大音量。 ● 检查电视是否处于静音状态，按遥控器上的  键。 ● 当检测不到信号时，电视会自动关掉声音。这是正常的操作而不表示是一个故障。 ● 检查您的扬声器配置是否与第 10 页上的扬声器设置中进行的选择相对应。 ● 后扬声器或中置扬声器有声音吗？根据播送的声音信号选择一个合适的环绕声模式，或者调节音量（参阅环绕声模式，第 14 页）。 ● 如果您已尝试了连接外部设备时，检查音频插座的连接。 ● 检查是否插入了耳机。 ● 检查该频道是否播放良好质量的环绕声。
声音好但彩色差或无图像	● 调节对比度和亮度设置值。尝试另一种高级图像设置。
图像差	● 当激活了一台连接到电视右侧的 S-VHS 摄像机或录像机且同时将另一台设备连接到 AV1 或 AV2 上时，有时会发生差的图像质量。在这种情况下，关掉另一台其它设备。
雪花图像和噪声	● 检查天线连接。
水平的点线	● 这可能由电气干扰所致（例如，电吹风、附近的霓虹灯等等）。 ● 关掉设备。
横穿屏幕的亮白线	● 立即关掉电视并向合格的维修人员咨询。
遥控器对电视不起作用	● 检查遥控器的电池是否能工作。如必要时更换它们。 ● 清洁电视上的遥控器传感器透镜。 ● 电视和遥控器之间的操作距离不应超过 240"。 ● 您还能使用电视顶上的 M 键和 -/+ 键。 ● 按  键来确保您的遥控器处于电视模式。

如果您的问题不能解决时：
关掉您的电视，然后再开启它。

决不要尝试自己修理一台有缺陷的电视。
让您的经销商来检查或打电话叫一个电视技术人员。

在与维修中心联系之前 **25**



提示

维护屏幕

用一块稍微沾湿的软布清洁电视。不要使用研磨溶剂，因为它会损坏电视屏幕。

电视寿命结束的指导

我们正在对使用环境友好的生产方法给予很大的关注。您的新电视包含能重新循环的和重新使用的材料。
在电视寿命结束时，专门的公司会拆除所丢弃的电视，来集中可重新使用的材料并使必须处理的材料量为最小。

请确保您根据当地的法规处理您的旧电视。

如何处理电池？

所提供的电池不含重金属汞和镉。
然而，在许多地区中废弃的电池不能和您的家庭废物一起处理。请按照当地的法规检查如何处理废弃的电池。

术语表

活性控制

测量和修正输入的信号以提供最佳的图像质量设置值。

AVL

自动控制音量水平以免产生太大的音量差别，尤其用在在商业广告间歇时候。

显示

帮助用户操作和调节电视功能控制项的屏幕上显示的信息或图像。参阅屏幕上显示（OSD）。

DNR

数字降噪。

在 100 Hz 电视机中，通过数字编码信号，可清除图像噪声。这对于差的信号区域和当观看差质量的录像带时尤其有益。

杜比定向逻辑环绕声

用 4 个通道的声音精确地包围您，它用所有的现实及印象的影院声音赋予您喜爱的电影以生命，您就如同身临其境。

色调

用于调整冷暖色之间的总色调平衡和根据个人喜好调节它的电视功能。

菜单

一系列显示在屏幕上的功能控制项，它使得用户调节成为可能。

图像和声音控制键

遥控器上的键，用于选择预定义的图像和声音设置值。
Eco 图像模式被打算用来降低电视的电耗和改善低质量数字信源的图像质量。

图像静止

允许您“冻结”某个图像以便于研究特定细节的电视模式，例如，注意某个节目中诸如电话号码那样的信息。

编制节目

在电视的内存电路中增加或删除频道号的程序。在该方法中，电视仅“记住”当地可用的或所需的频道号并跳过任何不要的频道号。

26 录提示与术语表



规格

	34PT9420
显像管尺寸	34" (860 毫米)
可视图像区域	32" (801 毫米)
电视制式	3.58 NTSC/ 4.43 PAL
回放制式	3.58 NTSC/ 4.43 PAL
天线输入	75 欧姆 - 同轴电缆
操作电压、频率	参见电视后盖处的技术规格
电耗	参见电视后盖处的技术规格
音频输出	4 x 15 瓦 (左、右、中置、亚低音)
尺寸:	
宽	841 毫米
高	664 毫米
深	552 毫米
净重 (仅大约)	70 公斤

国际质保条件

飞利浦公司对本产品由于错误的制造工艺或材料造成的缺陷提供从购买之日起期限为一年的质保。本质保包括零部件和人工费用。

质保的服务仅当提出合理证据时才提供。(例如, 完整的质保卡和购买发票), 其日期应在质保期内。

如果缺陷是由于事故性的损坏 (包括运输中的)、疏忽性的误用和由未经授权人员进行的改变或修理引起时, 该质保无效。

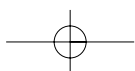
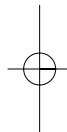
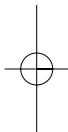
如果产品需要修改或改动已使它能在任何国家而不是产品被设计、制造批准和/或授权的国家中操作或由于这些修改导致任何损坏时, 可以不应用本质保。

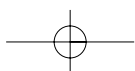
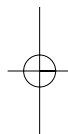
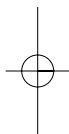
在所有由飞利浦公司正式分销本产品的国家中, 可提供服务 (在质保期间和质保期后)。在飞利浦公司不分销的国家中, 当地的飞利浦公司服务机构也将提供服务, 尽管会由于合适的零部件和技术手册不能顺利得到而可能延迟一段时间。

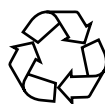
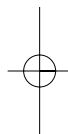
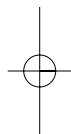
这些声明不影响您作为消费者的法定权利。

如果有困难的话, 请联系任何国家中的飞利浦信息中心 (参见随附的地址)。

规格 27







3104 315 **2163.3**

